

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief

Approval Letter

Disapproval Letter

MB
7-13-73

COMPLETION DATA:

Date Well Completed *3-17-74*

OW. *✓*.... WW..... TA.....

GW..... OS..... PA.....

Location Inspected

Bond released

State or Fee Land

LOGS FILED

Driller's Log.....*✓*

Electric Logs (No.)*✓*

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

(Other instructions on
reverse side)

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Shell Oil Company (Rocky Mountain Division Production)		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202		8. FARM OR LEASE NAME Burton
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 949' FNL and 1873' FEL Sec 16 At proposed prod. zone		9. WELL NO. 1-16B5
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 miles SW of Altamont		10. FIELD AND POOL, OR WILDCAT Altamont
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any) 949' from lease and sec line	16. NO. OF ACRES IN LEASE 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 NE/4 Section 16-T 2S-R 5W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Not applicable	19. PROPOSED DEPTH 14,300'	12. COUNTY OR PARISH Duchesne
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7009 GL (Ungraded)		13. STATE Utah
22. APPROX. DATE WORK WILL START* 7-18-73		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	68#	300'±	250 sx
12 1/4"	9 5/8"	40#	7,000'±	600 sx
8 3/4"	7"	26#	11,900'±	250 sx
6 1/8"	5" liner	18#	14,300'±	275 sx

As per attached certified survey plat and Summary of Mud System Monitoring Equip, BOP Equip and Mud.

Verbal approval obtained to drill from Scheree DeRose by Bruce Williams 7-10-73.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

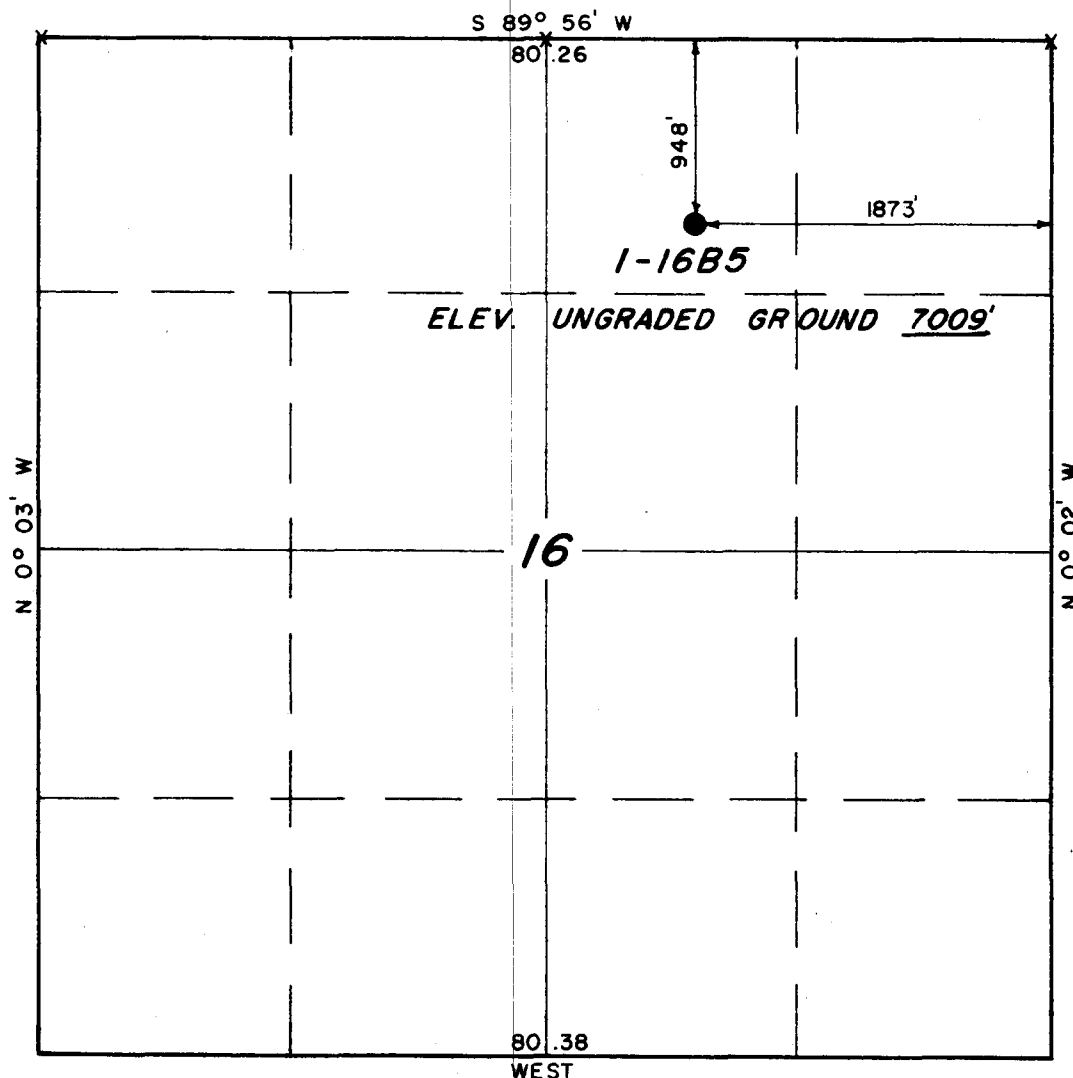
24. SIGNED K. R. Jordan TITLE Division Operations Engr. DATE July 11, 1973

(This space for Federal or State office use)

PERMIT NO. 43-013-30238 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

T2S, R5W, U.S.B.&M.



X = Section Corners Found.

PROJECT
SHELL OIL COMPANY

WELL LOCATION I-16B5, LOCATED
AS SHOWN IN THE NW 1/4 NE 1/4
SECTION 16, T2S, R5W, U.S.B.&M.,
DUCHESE COUNTY, UTAH



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Lene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 5 JULY 1973
PARTY GS SS RR	REFERENCES GLO Plat
WEATHER HOT	FILE SHELL OIL 1973

Mud System Monitoring Equipment

Equipment will be installed (with derrick floor indicators) and used throughout the period of drilling after setting and cementing intermediate string or upon reaching a depth at which abnormal pressures could occur.

BOP Equipment

300' - 7,000' - 3,000 psi hydril GH
7,000' - TD - 3-ram type BOP's and 1 bag type
5000# working pressure

Tested when installed. Operative every trip and tested to 5,000 psi every 14 days. All information recorded on Tour sheets and daily drilling wire.

Mud

Surface - 10,500' - Clear water
Circulate reserve pit
Flocculate as necessary

10,500'-TD - Weighted gel chemical

July 13, 1973

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Well No. Burton #1-16B5
Sec. 16, T. 2 S, R. 5 W,
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 139-3/139-4.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-013-30238.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: file

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. Patented			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
2. NAME OF OPERATOR Shell Oil Company				7. UNIT AGREEMENT NAME			
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202				8. FARM OR LEASE NAME Burton			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 949' FNL and 1873' FEL Section 16 At top prod. interval reported below At total depth				9. WELL NO. 1-16B5			
14. PERMIT NO. 43-013-30238 DATE ISSUED 7/13/73				10. FIELD AND POOL, OR WILDCAT Altamont			
15. DATE SPURRED 7/21/73 16. DATE T.D. REACHED 9/27/73 17. DATE COMPL. (Ready to prod.) 3/17/74				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NW/4 NE/4 Section 16-T2S-R5W			
18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 7034 KB, 7009 GL				12. COUNTY OR PARISH Duchesne			
19. ELEV. CASINGHEAD 7006				13. STATE Utah			
20. TOTAL DEPTH, MD & TVD 14,261 21. PLUG, BACK T.D., MD & TVD 14,220 22. IF MULTIPLE COMPL., HOW MANY* -				23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Wasatch 12,127-14,163 (gross interval)			
25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, CNL-FDC, CBL, VDL and PDC			
27. WAS WELL CORED No				28. CASING RECORD (Report all strings set in well)			
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
13-3/8		68#	257'	17-1/2"	400 sx	0	
9-5/8"		40#	6,674'	12-1/4"	890 Cu Ft	0	
7"		26#	12,107	8-3/4"	730 Cu Ft	27 jts (replaced)	
7"		29#	Csg Repair	8-3/4"	None (see casing detail)	0	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5"	11,923	14,259	650 Cu Ft	-	2-7/8	11,947	11,915
Sqzd liner lap w/200 sx cmt							
31. PERFORATION RECORD (Interval, size and number) 12,127-14,163 (gross interval) (93 perfs) (See Attachment)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				12,127-14,163		29,400 gal 15% HCl	
33.* PRODUCTION							
DATE FIRST PRODUCTION 3/22/74		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Producing		
DATE OF TEST 3/29/74	HOURS TESTED 24	CHOKE SIZE 15/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 666	GAS—MCF. 774	WATER—BBL. 4	GAS-OIL RATIO 1162
FLOW. TUBING PRESS. 1700	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL—BBL. 666	GAS—MCF. 774	WATER—BBL. 4	OIL GRAVITY-API (CORR.) 44.6	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas being gathered to Altamont Gas Plant for processing.						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Well History Report							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED T.S. Mize				TITLE Division Operations Engr.		DATE 4/5/74	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Green River	9,855	
				Wasatch	11,417	

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Flowing. On 24-hr test, flwd
634 BO, 29 BW and 758 MCF gas on 15-26/64" chk w/1750
psi FTP and zero CP.

MAR 29 1974

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Flowing. OIL WELL COMPLETE.
On 24-hr test 3/29/74, flwd 666 BO, 4 BW and 774 MCF
gas (GOR 1162) on 15/64" chk w/1700 psi FTP and zero
CP from Wasatch perfs 12,127, 12,128, 12,129, 12,130,
12,439, 12,440, 12,441, 12,442, 12,443, 12,444, 12,564,
12,565, 12,566, 12,567, 12,568, 12,660, 12,661, 12,662,
12,663, 12,664, 12,913, 12,914, 12,945, 12,946, 12,956,
12,957, 12,958, 12,963, 12,964, 13,092, 13,093, 13,094,
13,234, 13,235, 13,236, 13,237, 13,238, 13,242, 13,243,
13,244, 13,266, 13,267, 13,268, 13,287, 13,288, 13,289,
13,296, 13,362, 13,363, 13,375, 13,376, 13,377, 13,378,
13,379, 13,380, 13,381, 13,382, 13,406, 13,407, 13,408,
13,460, 13,493, 13,494, 13,510, 13,511, 13,566, 13,567,
13,575, 13,576, 13,577, 13,733, 13,734, 13,737, 13,761,
13,762, 13,763, 13,764, 13,834, 13,844, 13,894, 13,895,
13,938, 13,939, 13,940, 13,944, 13,945, 14,009, 14,146,
14,147, 14,148, 14,161, 14,162, 14,163.

Oil Gravity: 44.6 degrees at 60 degrees F.

Compl Test Date: 3/29/74. Initial Prod Date: 3/22/74.

Elev: 7034 KB, 7009 GL

Log Tops: TGR3 9,855 (-2821)
M-1 11,060 (-4026)
WASATCH 11,417 (-4383)
M-3 13,035 (-6001)
M-6 14,078 (-7044)

This well was drilled for routine development.
FINAL REPORT.

APR 1 - 1974

CASING AND CEMENTING

Field Altamont Well Burton 1-16B5
Job: 13-3/8 " O.D. Casing/~~liner~~ Ran to 257 feet (KB) on 7/22, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From KB	To CHF
						CHF	
7	68#	K-55	ST&C	Yes	303'	0	257'

1 BACK OF
WCR shows Wsto
top as 11,417

Casing Hardware:

Float shoe and collar type Howco Plain Guide Shoe
Centralizer type and product number _____
Centralizers installed on the following joints _____
Other equipment (liner hanger, D.V. collar, etc.) _____

Cement Volume:

Caliper type _____ . Caliper volume _____ ft^3 + excess over caliper
_____ ft^3 + float collar to shoe volume _____ ft^3 + liner lap _____ ft^3
+ cement above liner _____ ft^3 = _____ ft^3 (Total Volume).

Cement:

Preflush—Water _____ bbls, other _____ Volume _____ bbls
First stage, type and additives Class "G" w/3% CaCl_2 . Weight _____ lbs/gal, yield _____
 ft^3/sk , volume 400 sx. Pumpability _____ hours at _____ $^{\circ}\text{F}$.
Second stage, type and additives _____ . Weight _____ lbs/gal, yield _____
 ft^3/sk , volume _____ sx. Pumpability _____ hours at _____ $^{\circ}\text{F}$.

Cementing Procedure:

Rotate/reciprocate _____
Displacement rate _____
Percent returns during job _____
Bumped plug at _____ AM/PM with _____ psi. Bled back _____ bbls. Hung csg
with _____ lbs on slips.

Remarks:

Cement in place 12 noon.

Drilling Foreman Ken Crawford
Date 7/22/73

CASING AND CEMENTING

Field Altamont Well Burton 1-16B5
Job: 9-5/8 " O.D. Casing/~~XXXX~~ Ran to 6674 feet (KB) on 8/10, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
						CHF	
154	40#	K-55	ST&C	Yes	6561.57	24.80	6586.37
		Halliburton Self Fill Collar			2.32	6586.37	6588.69
2	40#	K-55	ST&C	Yes	84.66	6588.69	6673.35
		Halliburton Guide Shoe			1.12	6673.35	6674.47

Casing Hardware:

Float shoe and collar type _____
Centralizer type and product number _____
Centralizers installed on the following joints _____
Other equipment (liner hanger, D.V. collar, etc.) _____

Cement Volume:

Caliper type _____ . Caliper volume _____ ft^3 + excess over caliper
_____ ft^3 + float collar to shoe volume _____ ft^3 + liner lap _____ ft^3
+ cement above liner _____ ft^3 = _____ ft^3 (Total Volume).

Cement:

Preflush—Water 20 bbls, other _____ Volume _____ bbls
First stage, type and additives B-J Lite w/0.1% R-5 . Weight 12.4 lbs/gal, yield 625
 ft^3/sk , volume _____ sx. Pumpability _____ hours at _____ $^{\circ}\text{F}$.
Second stage, type and additives Class "G" w/0.2% R-5 . Weight 15.9 lbs/gal, yield 265
 ft^3/sk , volume _____ sx. Pumpability _____ hours at _____ $^{\circ}\text{F}$.

Cementing Procedure:

Rotate/reciprocate Reciprocate
Displacement rate _____
Percent returns during job _____
Bumped plug at 3:30 AM/~~PM~~ with 2000 psi. Bled back 3 bbls. Hung csg
with _____ lbs on slips.

Remarks:

Had 31' of fill - could not wash to btm.

Used top and btm plugs.

Placed 400 sx B-J Lite w/3% CaCl_2 between 9-5/8 x 13-3/8 annulus.

Drilling Foreman Clyde Grade, Jr.
Date 8/13/73

CASING AND CEMENTING

Field Altamont Well Burton 1-16B5
Job: 7 " O.D. Casing/~~XXX~~. Ran to 12,107 feet (KB) on 8/28, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
						CHF	
265	26#	N-80	LT&C	Yes	10,879.25	0	10,879.25
26	26#	CF-95	LT&C	Yes	1,092.66	10,879.25	11,971.91
Halliburton Differential Fill Float Collar					1.94	11,971.91	11,973.85
3	26#	CF-95	LT&C	Yes	130.72	11,973.85	12,104.57
Halliburton Differential Fill Float Shoe					2.43	12,104.57	12,107.00

Casing Hardware:

Float shoe and collar type Halliburton Differential Fill
Centralizer type and product number Halliburton S-3
Centralizers installed on the following joints 6' above shoe, 2nd collar, 4th collar
Other equipment (liner hanger, D.V. collar, etc.)

Cement Volume:

Caliper type FDC/CNL. Caliper volume 625 ft³ + excess over caliper
77 ft³ + float collar to shoe volume 28 ft³ + liner lap - ft³
+ cement above liner - ft³ = 730 ft³ (Total Volume).

Cement:

Preflush—Water 20 bbls, other _____ Volume _____ bbls
First stage, type and additives B-J Lite plug 0.5% D-31 and 0.1% R-5
_____ . Weight 12.4 lbs/gal, yield 3.04
ft³/sk, volume 500 CF ~~xxx~~ Pumpability 4 hours at 230 °F.
Second stage, type and additives Class "G" w/1% D31 and 0.2% R-5
_____ . Weight 15.9 lbs/gal, yield 1.14
ft³/sk, volume 230 CF ~~xxx~~ Pumpability 4 hours at 230 °F.

Cementing Procedure:

Rotate/reciprocate Reciprocate
Displacement rate 6 B/M, 3 B/M last 10 bbls
Percent returns during job 100%
Bumped plug at 12:54 AM/PM with 1800 psi. Bled back 3 bbls. Hung csg
with 285,000 lbs on slips.

Remarks:

Displaced with rig pump.

Drilling Foreman T. H. Brown
Date 8/28/73

CASING REPAIR
CASING AND CEMENTING

Field Altamont Well Burton 1-16B5

Job: 7 " O.D. Casing/~~liner~~. Ran to 5944 feet (KB) on 9/9, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF 25.08
144	29#	S-95	8rd	Yes	5960	CHF	

Ran 27 jts new S-95 csg plus 117 jts from original string and a Bowen casing patch set w/240,000# on slips 100,000# over hook load wt indicator readings.

Casing Hardware:

Float shoe and collar type _____

Centralizer type and product number _____

Centralizers installed on the following joints _____

Other equipment (liner hanger, D.V. collar, etc.) _____

Cement Volume:

Caliper type _____ . Caliper volume _____ ft^3 + excess over caliper
_____ ft^3 + float collar to shoe volume _____ ft^3 + liner lap _____ ft^3
+ cement above liner _____ ft^3 = _____ ft^3 (Total Volume).

Cement:

Preflush—Water _____ bbls, other _____ Volume _____ bbls

First stage, type and additives _____ . Weight _____ lbs/gal, yield _____

ft^3/sk , volume _____ sx. Pumpability _____ hours at _____ $^{\circ}\text{F}$.

Second stage, type and additives _____ . Weight _____ lbs/gal, yield _____

ft^3/sk , volume _____ sx. Pumpability _____ hours at _____ $^{\circ}\text{F}$.

Cementing Procedure:

Rotate/reciprocate _____

Displacement rate _____

Percent returns during job _____

Bumped plug at _____ AM/PM with _____ psi. Bled back _____ bbls. Hung csg. with _____ lbs on slips.

Remarks:

Drilling Foreman Ken Crawford
Date 9/9/73

CASING AND CEMENTING

Field Altamont Well Burton 1-16B5
Job: 5 " O.D. ~~Casing~~/Liner. Ran to 14,259 feet (KB) on 9/29, 197 3

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
						CHF	
Burns Plain Type Hanger					7.65	11,923.34	11,930.99
54	18#	N-80	SFJ-P	Yes	2286.52	11,930.99	14,217.51
Howco Float Collar					1.69	14,217.51	14,219.20
1	18#	SFJ-P			37.51	14,219.20	14,256.71
Howco Float Shoe					2.29	14,256.71	14,259.00

Casing Hardware:

Float shoe and collar type Halliburton Differential Fill
Centralizer type and product number B&W #1350773, #7250063
Centralizers installed on the following joints Spring type - 1, 2, 7, 12, 17, 22, 27, 32, 37, 42, 47 and 51. Solid type - 53 and 54
Other equipment (liner hanger, D.V. collar, etc.) Burns plain type hanger w/circ ports, cmt'g grooves, Chevron packing and slick stinger

Cement Volume:

Caliper type FDC/CNL . Caliper volume 429 ft³ + ^{25%} excess over caliper
107 ft³ + float collar to shoe volume 13 ft³ + liner lap 16 ft³
+ cement above liner 65 ft³ = 630 ft³ (Total Volume). + 20 cu ft preflush.

Cement:

Preflush-Water _____ bbls, other Class "G" Volume 20 CF ~~1000~~
First stage, type and additives Class "G" w/0.5% R-11 . Weight 15.9 lbs/gal, yield 1.15
ft³/sk, volume 200 CF ~~xxx~~ Pumpability 4 hours at 270 °F.
Second stage, type and additives Class "G" w/3% gel and 0.6% R-11 . Weight 14.2- lbs/gal, yield _____
ft³/sk, volume _____ sx. Pumpability 4 hours at 270 °F. 14.6

Cementing Procedure:

Rotate/reciprocate N.A.
Displacement rate 2-3 B/M, last 30 bbls at 1 B/M.
Percent returns during job 100% until last 15 bbls, then 0%
Did not bump plug at 4:30 ~~AM~~ PM with 2500 psi. Bled back 1/2 bbls. Hung csg with _____ lbs on slips.

Remarks:

Full returns at 1000 psi until we had 15 bbls to bump plug, then lost complete returns.
Pressure incr to 3200 psi after 5 more bbls. Stopped pump, bled back 1½ bbls, pmpd ½ bbl until press incr to 2500 psi. Stopped pump and bled back ½ bbl.
Lacked 10 bbls of bumping plug. Pulled 7 stds wet.

Drilling Foreman T. H. Brown
Date 9/29/73

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI for BHP.

MAR 15 1974

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220.

3/16: SI, WO tank battery. WO parts 3 days for WL unit. Pulled bomb to 9000'. WL unit broke down. Finished pulling bombs - TP 2150 psi. After bomb on btm, press's as follows:

<u>Time-Hrs</u>	<u>Press</u>	<u>Time-Hrs</u>	<u>Press</u>
0	5872	5	5944
1	5893	6	5954
2	5918	10	5959
3	5934	70	5959
4	5944		

MAR 18 1974

Turned well over to production. (Reports discontinued until well on production.)

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. (RRD 3/18/74). Flowing.
On 24-hr tests, flwd as follows: (first production)

<u>Rpt Date</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Chk</u>	<u>FTP</u>	<u>CP</u>
3/23	654	??	1249	15-26/64	1950	0
3/24	752	0	942	15-26/64	1950	0
3/25	807	27	885	15-26/64	1850	0

*Broken meter

MAR 25 1974

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI. On 24-hr test, flwd
733 BO, no wtr and 841 MCF gas on 15-26/64" chk w/
1800 psi FTP and zero CP.

MAR 26 1974

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Flowing. On 24-hr test, flwd
587 BO, 1 BW and 830 MCF gas on 15-26/64" chk w/1750
psi FTP and zero CP.

MAR 27 1974

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI. On 24-hr test, flwd
755 BO, no wtr and 596 MCF gas on 15-26/64" chk
w/1800 psi FTP and zero CP.

MAR 28 1974

Shell-Burton 1-16B5

(Continued)

Run #3: 13,939, 13,940, 13,944, 13,945, 14,009, 14,146, 14,147, 14,148, 14,161, 14,162, 14,163. Press from 2150 and remained at 2150 psi. RD OWP.

3/10: Prep to flow to pit. TP 2150 psi. MI&RU B-J on 3/9/74. AT gross perfs 12,127-14,163 w/29,400 gal 15% HCl w/each 1000 gal containing 3 gal G-10, 3 gal C-15, 3 gal J-22, 30# OS-160 Wide Range Unibeads and 30# OS-160 Button Unibeads. Flushed w/4578 gal FW w/each 1000 gal containing 165# NaCl and 3 gal G-10. All fluid heated to 85 deg. Pmpd trtmt as follows: 49 bbls acid, dropped one 7/8" ball sealer w/1.24 gr, pmpd 7 bbls acid. Repeated one ball sealer and 7 bbls acid 92 times. Pmpd flush. Max press 8800 psi, avg 6200 psi, min 5200 psi. Max rate 9 B/M, avg 8.6 B/M, min 6.5 B/M. ISIP 3500 psi decr to 2950 psi in 2 min, incr to 3000 psi in min, to 2900 psi in 3-1/2 min, to 3300 psi in 4 min and remaining at 3300 psi in 5 min, to 3200 psi in 10 min to 3175 psi in 15 min, to 3100 psi in 20 min. One break of 1600 psi and one of 700 psi w/10-12 breaks from 50-100 psi. RD B-J.

3/11: SI for BHP. TP 2600 psi. Flwd to pit 6 hrs on 64/64" chk, flwg est 600 BO, 300 bbls muddy wtr (GOR 750) w/550 psi TP. Last hr, flwd est 140 BO, 10 BW (GOR 750) on 64/64" chk w/550 psi FTP. SI at 2:40 PM w/1500 psi TP. Started to pump diesel at 2:50 PM w/2150 psi TP. Pmpd 15 bbls diesel at 2250 psi. Ran tandem BHP bombs w/10,000# element, 72-hr clocks and 250 deg thermometer. Stopped bombs at 13,100' at 3:45 PM.

MAR 11 1974

Shell-Burton 1-16B5

(D)

14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI for BHP.

MAR 12 1974

Shell-Burton 1-16B5

(D)

14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI for BHP.

MAR 13 1974

Shell-Burton 1-16B5

(D)

14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI for BHP.

MAR 14 1974

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Installing 10,000# Xmas tree.
Ran prod eqmt as follows: Baker Model "C" expendable
plug holder w/Model "B" pushout plug in place - tested
to 7500# in both directions w/tail @ 11,947, 32' x 2-7/8"
N-80 NU, 10rd, non-perf'd prod tube, Baker anchor seal
assembly w/2 seal units, Baker Model "EL" on-off
connector w/Otis 2.313" N-nipple w/2.255" no go w/top @
11,909, 4' sub w/7" centralizer, 3 jts tbg, mandrel
#21HO9-12 w/top @ 11,806, 19 jts tbg, mandrel #19HO9-12
w/top @ 11,211, 20 jts tbg, mandrel #18HO9-12 w/top @
10,584, 28 jts tbg, mandrel #16HO9-12 w/top @ 9709, 24
jts tbg, mandrel #14HO9-12 w/top @ 8958, 24 jts tbg,
mandrel #9HO9-12 w/top @ 8208, 39 jts tbg, mandrel
#6HO9-12 w/top @ 6992, 54 jts tbg, mandrel #3HO9-12
w/top @ 5310, 78 jts tbg, mandrel #1HO9-12 w/top @ 2885,
92 jts tbg, two 10' subs, one 3' sub and 1 jt tbg.
All tbg and subs 2-7/8" EUE, 8rd, N-80 and all mandrels
Camco KBMG w/Type "E" dummies w/Type I BK-2 latches.
Landed tbg, jayed off on-off connector and circ fresh
trtd wtr in csg. Sptd 2% SW in tbg. Landed tbg w/1000#
set-down wt. Press tested to 7500 psi for 1 hr, losing
75 psi. DEC 7 1973

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. SI. Installed BPV, removed
BOP, installed 10,000# Xmas tree and tested to 10,500#.
Released rig @ 3 PM, 12/7/73. (RDUFA).DEC 10 1973

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'

TD 14,261. PB 14,220. (RRD 12/10/73).
3/9: Prep to AT. MI&RU OWP on 3/8/74 and perf'd 1 hole
each unidirectionally w/magnetic decentralized 2" steel
tube carrier gun using JRC-Sidewinder charges. All
depths refer to CNL-FDC log dated 8/27/73. Perf'd total
of 93 holes as follows: Run #1: 12,127, 12,128, 12,129,
12,130, 12,439, 12,440, 12,441, 12,442, 12,443, 12,444,
12,564, 12,565, 12,566, 12,567, 12,568, 12,660, 12,661,
12,662, 12,663, 12,664, 12,913, 12,914, 12,945, 12,946,
12,956, 12,957, 12,958, 12,963, 12,964, 13,092, 13,093,
13,094, 13,234, 13,235, 13,236, 13,237, 13,238, 13,242,
12,243, 13,244, 13,266. Press from 100-1700 psi. Press
at 2100 psi while perf'g 13,242, 13,243 and 13,244 and
decr to 1700 psi. Run #2: 13,267, 13,268, 13,287,
13,288, 13,289, 13,296, 13,362, 13,363, 13,375, 13,376,
13,377, 13,378, 13,379, 13,380, 13,381, 13,382, 13,406,
13,407, 13,408, 13,460, 13,493, 13,494, 13,510, 13,511,
13,566, 13,567, 13,575, 13,576, 13,577, 13,733, 13,734,
13,737, 13,761, 13,762, 13,763, 13,764, 13,834, 13,844,
13,894, 13,895, 13,938. Press from 1860-2000 psi.
(Continued)

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220.

12/1: Drilling cmt. Mill #1 wore out drlg on iron. Ran Dialog csg profile caliper from 11,270 to sfc. Tested BOP to 5000 psi, OK. Ran in w/new mill and drld cmt to 13,938. Mud: 13.9 x 43

12/2: Drilling cmt. Milled to 14,000 w/mill #2. Tripped for new mill and drld cmt to 14,060. Mud: 14.0 x 45

12/3: Pulling out of hole, prep to run test pkr. Drld cmt from 14,060-14,220. Circ hole clean.

DEC 3 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Circ out mud. Finished pulling bit. Picked up M&M 7" pkr and ran on DP. Tested csg as follows:

Depth	Press	Depth	Press
9317'	1600#	3724'	3200#
7402'	2150#	1902'	3750#
5609'	2650#		

DEC 4 1973

Tested w/mud in hole. Pulled 7" pkr - tight spot @ 5970. Worked through w/1000# pull. Csg tight @ 5944. Picked up 2304' of DP, 7" csg scraper and ran on DP to PBTD. Worked scraper through tight spot @ 5970 ten times - did not feel tight spot. Started circ out mud w/FW.

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Logging. Finished circ out mud as follows: Pmpd 250 gal B-J Mud Flush, 500 BFW, 150 gal B-J Mud Flush and 600 BFW. SI and observed for flowback - OK. Press tested csg to 3750 psi for 30 min, OK. Sptd 41 bbls 2% NaCl in liner. Pulled out of hole and laid down DP. RU OWP and press tested lubricator. DEC 5 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,220. Running prod eqmt. Ran CBL, VDL and PDC logs from 14,220-10,400. Cmt top @ 10,603. Bonding good to poor. Held 3000 psi on csg while running CBL and VDL. Ran Baker Model "D" pkr w/flappers w/pkr top @ 11,915. RD OWP. RU csg crew and ran 108 jts 5½" 14#, K-55 csg w/Type I special turned down cplgs w/tail @ 4507. Installed BPV, removed BOP, installed 10" 5000 psi x 6" 5000 psi tbg spool and installed and tested BOP to 5000 psi. Removed BPV. Started running prod eqmt. DEC 6 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of fish @ 13,475.

11/22: Pulling out of hole. Rec'g various pcs of metal in jk basket. Tripped in and washed jk from 13,505-13,507.

11/23: SD for Thanksgiving.

11/24: Attempting to get overshot loose. Went back to 13,505 w/wash pipe. Picked up 4-1/8" Bowen overshot and went in hole, latching onto fish. Attempted to pull tbg loose w/o success and attempted to work overshot loose.

11/25: Pulling out of hole. Circ and attempted to rec overshot. RU McC and ran 1-1/8" dummy - unable to get below 13,425. Tools kept hanging up @ 13,265. RD McC. Made unsuccessful attempt to rec overshot. RU Dialog and backed off 5 DC's and started out of hole.

11/26: Picking up 2-7/8" PAC. Laid down 2-7/8" tbg. Picked up jars and 5 DC's and singled in 2-7/8" PAC and H-90 DP.

Mud: 14.0 x 50 NOV 26 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Pulling out w/fish. Singled in w/2-7/8"

DP to top of fish @ 13,475, circ and cleared pipe 1 hr. Jarred on fish 1 hr and started out of hole w/fish. Had 10,000-20,000# drag first 35 stds pulled. NOV 27 1973
Mud: 14.0 x 50

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,217. Running in hole w/jk basket. Pulled out of hole w/fish - full recovery of 9 DC's and mill. Tripped in w/washover shoe and finger basket. Circ and clnd up jk, filling jk basket w/iron. Now rerunning same.

Mud: 13.9 x 50 x 10.9 NOV 28 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner at 14,259'

TD 14,261. PB 14,217. Drilling cement. Went in hole w/jk basket, made 1 1/2'. No recovery in jk basket. Made up 4 1/8" mill and went in hole. Drld cem while reverse circ. Mill plugged at approx one third of hole. NOV 29 1973
Mud: 13.9 x 50

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 14,217. Pulling out of hole. Drld jk and cmt from 13,704-13,900.

NOV 30 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner at 14,259'

TD 14,261. Top of Fish at 13,428. Washing over fish w/#2 DP jt. Rotated six hrs over fish w/#1 DP shoe jt. Tripped out and rec'd 19.10' 2 7/8" tbg fish w/metal wrapped around outside of fish. Fish top at 13,428. Have washed over approx 9' fish in 7 rotating hrs.
Mud: 13.6 x 40 NOV 14 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of Fish @ 13,463. Washing over fish. Washed over to 13,457. Pulled out, rec'g 20' of tbg fish. Tripped in w/wash pipe and washed from 13,457-13,463. NOV 15 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of Fish @ 13,463. Pulling wash pipe. Milled and washed over to 13,463. Pulled out, rec'g approx 4' of tbg fish. Made up wash pipe and washover shoe and went in hole. Milled and washed over from 13,463-13,471.
Mud: 14 x 50 NOV 16 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of fish @ 13,475.
11/17: Tripping in w/wash pipe. Tripped in and washed over to 13,468. Tripped out, rec'g approx 4" of tbg fish.
11/18: Checking fish top w/blank shoe. Washed over approx 9' of fish top. Pulled out of hole w/wash pipe - no recovery. OD of shoe jt badly scarred.
11/19: Washing over fish. Ran blank shoe to 13,497. Pulled out of hole. Made up overshot and ran to 13,468 - unable to go deeper. Pulled out of hole, rec'g 11.75' of tbg. Made up 4" wash pipe shoe and went in hole w/2 jts wash pipe and jk basket 50' above shoe. Milled and washed over tbg to 13,475, top of fish. NOV 19 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of fish @ 13,475. Picking up power swivel. Milled and washed over tbg from 13,475-13,487. Pulled out of hole, rec'g sml pc of jk tbg in jk basket. Made up wash pipe and shoe and went in hole, tagging top of fish. Picked up power swivel. NOV 20 1973
Mud: 14.0 x 50

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of fish @ 13,475. Tripping out of hole. Milled and washed over fish from 13,475-13,505. Cut approx 4" to 6" of x-over sub (2.38' long x 3-3/4" OD x 1" ID). NOV 21 1973
Mud: 14.0 x 50

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 13,393. Milling. WO 246,000# rated
overshot 3 hrs. Ran overshot on bumper subs, oil jars
and 6 DC's on tbg, latching onto fish @ 13,382. Jarred
30 min - overshot pulled off. Picked up mill on wash
pipe, bumper sub, oil jars and 6 DC's. Milled 2 hrs -
torquing and sticking. NOV 7 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 13,394. Running tbg. Milled 3 hrs, CO
to 13,392. Pulled out of hole - mill had hvy markings
on inside of mill. Picked up new mill and milled 5½
hrs, CO 2' to 13,394. Pulled out and picked up new
mill. Started running tbg. NOV 8 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 13,394. Down for rig repair. Finished
running mill to 13,389. Worked w/mill - torquing and
sticking for 3 hrs. CO to 13,394. Mill ran normal for
30 min. In hole w/mill 8 hrs - sticking and torquing.
Rec'd sml pcs of metal and one ball bearing. Pulled out
of hole. Top pin on mill shoe and thread of wash pipe
worn inside and torn. Rec'd several pcs of metal inside
wash pipe. Down 2 hrs for rig repairs. NOV 9 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 13,394.
11/10: Rotating on fish. Down 4 hrs for rig repairs.
WO jk basket 3 hrs - did not get jk basket. Picked up
4-1/8" x 3" mill, 1 jt wash pipe, jars, bumper sub, 6
jts DC's, 3-1/8" x 1-1/4" change-over to tbg, and 425
jts 2-7/8" EUE tbg. Tagged top of fish @ 13,389 and
rotated on fish 6-3/4" hrs, making approx 3".
11/11: Milling. Ran shoe #7 stopping @ 11,923. Changed
mud wt from 12.3 to 13.0 ppg. Made approx 1½' of hole.
Built mud wt to 13.5 ppg. NOV 12 1973
11/12: Pulling out of hole. Ran shoe #8 and milled
from 13,389 to 13,394. Circ btms up and started out of
hole.

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. Top of Fish @ 13,409. Washing over approx
12' of fish. Rec'd 8.52' of 2-7/8" tbg fish in wash
pipe. Top of fish @ 13,409. Laid down wash pipe. Ran
a 25' jt of DP w/4" OD w/clusterite cutting sfc built
onto jt (4-1/8" OD x 3" ID). Rotated 12 hrs. NOV 13 1973
Mud: 13.9 x 41

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 13,390.

11/3: Pulling tbg. Tested csg to 3750 psi, OK. Down 4 hrs for rig repairs. Worked tbg 25,000# over wt twice - freed same. Pulled out of hole, rec'g 6' pup jt and 23' of tbg. Top of fish @ 13,382. Six ft tbg sub had metal wrapped around btm of sub 1" wide x 1/4" thick. Picked up overshot w/clusterite pads on inside built out to 2-7/8". Ran on bumper sub, oil jars, six 3-1/8" DC's on tbg to top of fish. Milled 1 1/2 hrs - overshot dropped over fish. Picked up free and started pulling out of hole w/tbg.

11/4: Running tbg. Finished pulling tbg and tools. Overshot indicated cutting metal on btm of skirt - indication of tight csg on side of overshot. Picked up 4-1/8" OD x 3-1/16" ID mill and ran w/bumper sub, oil jars and six DC's on tbg. Tagged top of fish @ 13,382 and started milling at top of fish. Mill torquing and sticking. Needed 2000# to pull free. Freed after 2 hrs. Ran mill 4 1/2 hrs and pulled out of hole, rec'g 2 pcs of metal (15" ling x 5 1/2" wide and second pc approx same size but twisted). Rec'd metal inside of wash pipe. One or two pcs of metal dropped back into well and BOP. Started back in hole w/same tools, a.a. and CO 4' w/mill, CO to 13,386.

11/5: Milling. Finished running in hole, tagging top of fish @ 13,386. Started rotating w/good mill action, no torquing or sticking. Ran 4 1/2 hrs and CO 4'. Pulled out of hole. CO to 13,390. Ran 3 1/4" magnet on sd line w/jars, bumper sub and 1 jt tbg. Ran to 4100' and set down - could not go deeper. Pulled out of hole. Ran mill on bumper sub, oil jars and 6 DC's on tbg to 13,390 - did not feel tbg sub. NOV 5 1972

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. PB 13,393. Running overshot. Milled 2 hrs, torqued up. Took 15,000# pull to move tbg. Pulled 10' and came free. Milled 2 hrs and CO to 13,393. Pulled out of hole. Outside of mill sub had metal marking indicating stuck from outside. Picked up tbg and overshot on fishing tools, latched onto fish, jarred 1 1/2 hrs and attempted to back off - could not release overshot. Jarred 1 hr and came free w/5000# extra wt. Pulled 100' and lost 5000# wt. Pulled out of hole, rec'g 1 pc metal 13" long x 5" wide in sub on top of grapple. Lost in hole guide shoe and grapple from btm of overshot. NOV 6 1972

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,353) Fishing for chem cutter. Ran 2-7/8" skirted overshot w/packoff on 2-7/8" tbg and latched onto top of fish. RU McC and ran 2-1/8" chem cutter - could not get below 13,353. Pulled out of hole. Ran 2" chem cutter - hung at 13,332. Freed and pulled out of hole. Pmpd 15 bbls mud down tbg at 4 B/M. Ran 2" chem cutter - could not get below 13,332. Pulled out of hole and ran 2-1/4" mule tail on jars and bumper subs to 13,413 - tools hung. Worked free and pulled out of hole, rec'g pc of metal 10' long x 1 1/4" wide wrapped around tools. Ran 2" chem cutter to 13,411, shot same - cutter hung. Worked free. Cutter hung 3 more times. Pulled out of rope socket at 4143. OCT 30 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,353) Running mill. Ran overshot on bumper sub, oil jars on WL and jarred on fish - could not free. Pulled out of hole, rec'g fish. Slips on hold-down set on cutting tool. Finished pulling tbg - did not rec tbg fish. Changed slips in overshot. Ran overshot, bumper sub, oil jars and 6 DC's on tbg and latched onto fish. Set off jars - overshot slipped off. Pulled out of hole and picked up 4-1/8" skirted mill on bumper sub, oil jars and 6 DC's on tbg. OCT 31 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,353). Running overshot on tbg. Pulled out of hole w/mill, DC's, bumper sub, oil jars and picked up 2-1/8" flat btm mill, 5 jts 1 1/4" DP, bumper subs, oil jars and 6 DC's. Ran to top of fill. Started mill into tbg fish - dropped 58' free. Milled 1' in 2 hrs, milled 1 hr and dropped 15' free, milled 1 1/2 hrs w/no progress. Pulled out and picked up 2-7/8" overshot w/ 2-7/8" ID w/clusterite mill.

NOV 1 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,353) Press testing csg. Finished running overshot to top of fish. Milled 3 1/2 hrs - could not latch onto fish. Held 20,000# friction. Ran 2-1/4" gauge ring on WL w/jars and bumper subs. Gauge ring stopped 74' inside of fish. Ran cutter to 70' inside of fish. Shot cutter - stuck. Freed cutter and pulled out of hole. Indication that tbg partially cut - could not free tbg. Ran 2-1/8" cutter - stopped at 13,431. Fired cutter - did not free tbg. Pulled out of hole. Ran magnatector and established free point at 13,400 - stuck at 13,407. Ran 2-1/8" chem cutter to 13,400 - cutter did not cut tbg free. Circ 13.9 ppg mud out w/fresh gelled wtr.

NOV 2 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,352). Dressing liner top.
Finished running tbg. Ran bit to liner top @ 11,923.
RU power swivel. OCT 25 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish at 13,352). Pulling tbg. Dressed
top of liner. Circ and cleaned up. Pulled out of
hole. Ran 4 1/8" tapered mill to check for tight
spot above fish. Did not find. Milled on top of fish.
Cond mud. Visc 95, cond to 60. OCT 26 1973

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,352).
10/27: Running skirted mill. Finished pulling tbg.
Tapered mill ran on point only. Ran impression block
on tbg, 6 DC's, oil jars and bumper sub and set on top
of fish. Pulled out of hole. Impression block indicated
2-3/8" OD ring w/1-3/4" ring inside w/metal cuttings
impregnated on 2/3 of impression block. Fish setting
approx 1/2" off center. Picked up mill w/30" skirt w/
clusterite on btm of skirt and ran on bumper subs, oil
jars, 6 DC's and tbg.

10/28: Pulling impression block. Finished running
mill to top of fish. Milled 6" in 1-3/4 hrs. Mill
dropped free 24". Cut 1' in 6 hrs. Circ hole clean
and pulled mill. Ran 4-1/8" impression block on tbg
and tools. Set down on fish and started out of hole.

10/29: Running overshot on tbg. Finished pulling
impression block - block indicated 2-7/8" tbg sub
looking up. Picked up 2-1/4" dia mill, 5 jts tbg 1-1/4"
DP, bumper subs, oil jars, and 6 DC's on tbg. Ran mill
into top of tbg - top 6' tight. Tight spot 33' in.

From 40' to 58' - took 6 hrs to clean up. Last ft,
took 2 hrs to clean up. Mill torqued on last run.
Pulled out of hole. OCT 29 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

14,261/65/81/0. Pulling out w/portion of fish. Attempted to run in hole w/Dialog. While running Dialog, overshot came off top fish. Pulled and ran in w/2-3/8" overshot, rec'g part of string (16 jts 2-3/8" DP and 14- 3-1/8" DC"s). Mud: (.722) 13.9 x 50 OCT 10 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

14,261/65/82/0. Going in hole w/tapered mill. Rec'd 16 jts 2-3/8" DP, fourteen 3-1/8" DC's, jars and bumper sub. Left pin on bumper sub in hole plus x-over sub, 6' x 2-7/8" tbg pup, four 2-7/8" tbg singles, nine 3-1/8" DC's and mill @ 13,413±. Ran 4-1/8" concave mill, stopping at 13,124. Pulled and ran in w/4-1/8" tapered mill. (Found six 2-3/8" DP singles and two 3-1/8" DC's w/bad jts.) OCT 11 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

14,261/65/83/0. Pulling mill. Ran 4-1/8" tapered mill stopping at 13,124. Milled through tight spot and to top of fish @ 13,352 (corrected depth). Ran 4-1/8" concave mill and milled 9 hrs, cutting 8". Mud: (.712) 13.7 x 46 x 4.6 (2% LCM) OCT 12 1973

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

10/13: 14,261/65/84/0. Laying down DP. Pulled concave mill. Ran in w/4-1/8" mill and milled on sub, tbg collar and upset, milling 18". Pulled out of hole, rec'g pc of tbg collar and pc of sub. Laid down 2-3/8" DP and 3-1/8" DC's. Top of fish @ 13,352.

10/14: 14,261/65/85/0. Nippling down. Finished laying down 3 1/2" DP.

10/15: TD 14,261. (Fish @ 13,352). Cleaning pits. Finished nippling up Xmas tree. Washed pits and tanks. Released rig @ 6 AM, 10/15/73. (RDUTA) OCT 15 1973

Shell-Burton 1-16B5
(D)
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,352). (RRD 10/15/73) OCT 23 1973
RU. MI Western Oilwell Service rig #17 on 10/23/73.

Shell-Burton 1-16B5
(D) Western Oilwell
14,261' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

TD 14,261. (Fish @ 13,352). Picking up tbg. Finished RU Western. MI 2-7/8" tbg work string, picked up 6" mill, bumper sub, oil jars, 6 DC's and started picking up tbg. OCT 24 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
5" liner @ 14,259'

14,261/65/74/0. Tripping in w/mill. Drld cmt 8-3/4 hrs. Top of cmt @ 13,650. Tested liner lap for 30 min to 2000 psi, OK. Lost cones and journals in hole. OCT 3 1973
Mud: (.728) 14.0 x 52 x 4.7 (3% oil)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
5" liner @ 14,259'

14,261/65/75/0. Picking up 2-7/8" DP. CO 62' of cmt to 13,773. Screwed through collar leaving 1476' of fish in hole (39 jts 2-7/8" tbg and 9 DC's), threads looking up. Top of fish @ 12,297. OCT 4 1973
Mud: (.728) 14 x 54

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

14,261/65/76/0. Running Dialog. Attempted to get string shot down to DC - stopped @ 13,413 (3 jts tbg on top of nine 3-1/8" DC's). Attempting to back off.

OCT 5 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

10/6: 14,261/65/77/0. Tripping in w/overshot. Pulled overshot and ran in w/skirted mill. Milled upset off top of fish @ 12,417. Cut off 18", pulled and ran in w/overshot, bumper sub, Bowen jars, 3-1/8" DC's and 3-1/2" DP.

Mud: (.728) 14.0 x 55

10/7: 14,261/65/78/0. Tripping in w/6' pup. Jarred fish up hole approx 20'. Stopped to reset jars and stuck fish, jars failed. Attempted to back off - successful on 2nd attempt. Laid down 35 jts 2-7/8" tbg, leaving 4 jts on top and nine 3-1/8" DC's. Ran in w/6' 2-7/8" pup to screw into fish @ 13,387. (Rec'd 1090' tbg, leaving 394' of fish in hole.)

Mud: (.728) 14 x 50 x 4.6 (3% LCM) (3% oil)

10/8: 14,261/65/79/0. Tripping in w/mill. Ran in w/pup jt, screwed into fish @ 13,387 and worked fish - would not free. Milled and rotated 6 hrs, attempting to jar out. Stuck fish, worked pipe losing fish @ 12,447 when 2-3/8" H-90 box swelled. Left 16 jts DP and 14-3-1/8" DC's and fishing tools in hole. Started in w/4" OD mill w/4" x 2-1/2' washover shoe as skirt and guide. Mud: (.728) 14.0 x 50 OCT 8 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034', GL 7009'
5" liner @ 14,259'

14,261/65/80/0. Circ and cond mud. Ran 4" OD mill and milled off top of 2-3/8" tool jt at 12,447. Pulled and ran 2-3/8" overshot and engaged fish. Started circ. Will attempt to get through bad tbg @ 13,412 w/Dialog, approx 15' below first fish. OCT 9 1973
Mud: (.728) 14 x 50

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

14,241/65/68/231. Drilling. Lost 50% returns @ 14,173. Sptd two 10#/bbl med pills w/o regaining returns. Made 12-std short trip, broke circ and resumed drlg w/90% returns. Lost 120 bbls mud. Background gas: 40 units. Connection gas: 100 units. Short trip gas: 1050 units. Mud: (.722) 13.9 x 54 x 4.4 (8#/bbl LCM) (4% oil) SEP 27 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

14,261/65/69/20. Circ on CO run. Bit press'd to 4000 psi while drlg. Circ 30 min and made 20-std short trip. Circ for logs 5 hrs. Made SLM - no corr. RU Schl. Ran in w/DIL hitting bridge @ 12,822 - could not go further. Tripped in w/bit, hitting bridge @ 12,822. Took 20,000# to get through. Worked through several times and ran to TD. Circ btms up 3½ hrs. SEP 28 1973
Mud: (.722) 13.9 x 54

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
5" liner @ 14,259'

9/29: 14,261/65/70/0. Tripping in w/liner. Ran logs as follows: DIL, BHCS, CNL-FDC. Logger's TD 14,268. RU csg crew and started in hole w/liner. Mud: (.722) 13.9 x 54
9/30: 14,261/65/71/0. WOC. Ran 55 jts 5", 18#, N-80, SFJ-P (2324.03') to 14,259 w/Burns hanger @ 11,923, FC @ 14,217 w/top of shoe @ 14,257. Cmt'd w/20 cu ft Class "A" (slurry 13 ppg) and 200 cu ft Class "G" mixed w/0.5% R-11 (slurry 15.9 ppg) followed by 380 cu ft Class "G" mixed w/3% gel and 0.6% R-11 (slurry 14.2-14.6 ppg) and 50 cu ft Class "G" mixed w/0.5% R-11 (slurry 15.9 ppg). Lost full returns 15 bbls prior to plug bump. Press incr from 1000 psi to 3200 psi in next 5 bbls. Bled off press. Pmpd 0.5 bbls to 2500 psi. Bled off press. Floats held OK. CIP @ 4:30 PM. OCT 1 1973
Mud: (.722) 13.9 x 54

10/1: 14,261/65/72/0. Squeezing lap. WOC and tested lap, no good. With Howco sqz tool @ 11,713, B-J pmpd 10 BW ahead of 200 sx Class "G" cmt retarded 4 hrs followed by 5 BW @ 1000 psi. Cleared tool by 1½ bbls, staged 1½ bbls in 15 min, ¼ bbl in 45 min, ¼ bbl in 45 min, and ¼ bbl in 45 min w/sii buildup w/last ¼ bbl. Mud: (.728) 14.0 x 55

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
5" liner @ 14,259'

14,261/65/73/0. CO cmt. WOC 11½ hrs. Sqzd liner lap and tested to 2000 psi for 20 min, OK. Top of cmt @ 11,698. OCT 2 1973
Mud: (.733) 14 x 51 x 4.7 (3% oil)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

13,050/65/60/101. Drilling. Circ on chk 10-3/4 hrs.
Well had 500 psi on DP and 700 psi on annulus @ 12,995.
Background gas: 1500 units. Connection gas: 4500 units.
Mud: (.712) 13.7 x 64 x 7 (2% LCM) (12% oil) SEP 19 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

13,220/65/61/170. Drilling. Background gas: 300 units.
Connection gas: 600 units. SEP 20 1973
Mud: (.733) 14.1 x 62 x 4.8 (3% LCM) (14% oil)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

13,303/65/62/83 Drilling and circ LC. Lost circ at
13,303 w/14.2# mud. BG gas - 160 units, trip gas
high.
Mud: 14 x 66 x 4.6 (LCM 2%) (Oil 12%) SEP 21 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

9/22: 13,418/65/63/115. Drilling. Lost circ. Pulled
to shoe and staged back to btm. Background gas: 150
units. Connection gas: 200 units.
Mud: (.728) 14 x 58 x 4.6 (4% LCM) (10% oil)
9/23: 13,577/65/64/159. Drilling. Background gas:
60 units. SEP 24 1973
Mud: (.722) 13.9 x 58 x 4.4 (4% LCM) (10% oil)
9/24: 13,707/65/65/130. Packing swivel. Background gas:
40 units. Connection gas: 70 units.
Mud: (.722) 13.9 x 64 x 4.6 (3% LCM) (10% oil)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

13,896/65/66/189 Drilling. Repaired mud line and
swivel. BG gas 30 units, high 70 units, connection
gas - 60-80 units. SEP 25 1973
Mud: 14 x 50 x 4.6 (LCM 3%) (Oil 8%)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

14,010/65/67/114. Drilling. Worked tight pipe -
40-80,000# drag, torque 180 normal, max of 350,
pump press 1800-2300 psi. Tripped for new bit @
14,001 w/no indication of scratches on DC, stabs,
or bit. Background gas: 40 units. Connection gas:
200 units. Trip gas: 1450 units. SEP 26 1973
Mud: (.722) 13.9+ x 64 x 4.6 (2% LCM) (4% oil)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,256/65/53/0. Milling on jk. Ran 6-1/8" Klusterite mill w/internal grapples. Top of fish @ 12,186. Chased fish to btm, rotated and washed over same. Pulled off fish @ 12,190. Pulled and laid down mill show w/no rec. Picked up 6" Klusterite mill. Top of jk @ 12,190. Pushed jk to btm. Milled approx 10'. SEP 12 1973
Mud: (.483) 9.3 x 45 x 14.8 (2% LCM - walnut hulls)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,276/65/54/2. Drilling. Strapped out for mill #3, making 18' SLC: 12,256 - 12,274. Milled 1.5' w/mill #3, rec'g sml amt of jk from jk basket. Mill indicated no jk on btm. Ran mill tooth bit and washed and reamed to btm - no indication of jk on btm. SEP 13 1973
Mud: (.483) 9.3 x 40 x 16 (4% LCM - walnut hulls)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,361/65/55/85. Drilling. Pulled mill tooth bit. Picked up and ran in w/dia bit. Torque 200-270. SEP 14 1973
Suspect pc of jk in hole. Rotary occasionally locks requiring 60,000# overpull to free. Logged 20 units gas @ 12,320. Background gas: 30 units.
Mud: (.525) 10.1 x 45 x 6.8 (2% LCM - walnut hulls)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

9/15: 12,436/65/56/75. Drilling. Tripped in w/new bit @ 12,435, washing to btm. Torque as follows: 200 off btm, 225 on btm w/20,000# wt and 116 RPM w/1700 psi pump press off btm and 3000 psi on btm. Trip gas: 390 units. Background gas: 130 units.
Mud: (.540) 10.4 x 45 x 6.6 (2% LCM - walnuts)

9/16: 12,584/65/57/148. Drilling. Logged show of 2250 units w/zero DP or annulus press. Flow incr 20%. Killed well w/11.2 ppg mud, losing circ or partial returns while killing well. Lost 200 bbls mud. Torque 275 w/25,000# wt and 120 RPM. Background gas: 50 units.
Connection gas: 200 units.

Mud: (.577) 11.1+ x 48 (5% LCM)

SEP 17 1973

9/17: 12,780/65/58/196. Drilling. Lost 20 bbls mud. Background gas: 38-40 units.

Mud: (.624) 12.0 x 44 x 6.8 (5% LCM)

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,949/65/59/169. Drilling. Background gas: 50 units. Connection gas: 60 units. Torque varies from 2 to 6 turns in table - normal would be 6 turns. Torque units: 100-450.
Mud: (.644) 12.4 x 46 x 6.4 (4#/bbl LCM) SEP 18 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

12,256/65/48/0 Rigging up Dialog. Pulled impression block. Ran 6 1/8 tapered mill to 12,110. Pulled and picked up 3 1/2" DP while waiting on dialog. Pushed jk to 12,110 ahead of mill. No bad spots in csg w/mill.
Mud: 8.5 x 54 SEP 7 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

9-8: 12,256/65/49/0 Going in w/flat btm mill. Ran w/Dialog cal; could not get in top csg at 5841. Ran in w/Bowen csg cutter and failed. Laid down 5" DP. Sent cutter to shop. Cut csg at 5943, pulled and rec'd fish. Hung on cutter tool. Ran Dialog caliper log to 11,500; laid down logging tools. Ran in w/6 1/8" flat btm mill to push jk back out of csg and set EZ drill retainer. Dialog stopped at 11,500.
Mud: 8.5 x 54

9-9: 12,256/65/50/0 Pulling Howco RTTS and plug. Ran in w/6 1/8" flat btm mill to 12,130'. Pulled up jk. Left at 12,077. Pulled and ran in w/Howco RTTS and ret BP and set at 12,000. Tested to 2,000 psi at 11,970 for 15 min, ok. Pulled to 8755 and tested to 2000 psi for 15 min, ok. Pulled to 5960', tested to 2000 psi for 15 min, ok. Ran back to 12,000 and rec'd ret BP, pulled out of hole. Next run w/8 3/4" mill to cut and run csg patch.

9-10: 12,256/65/51/0 Nippling up on 7" csg. Pulled RTTS and ret plug. Ran in w/8 3/4" flat btm mill. Dressed 7" stub from 5943-5944. Pulled. Ran 1 1/4 jts 7" csg, 27 jts new and remainder from fish. Landed in slips w/240,000# hook load. Unnipped to land 7". SEP 10 1973
Mud: 8.6 x 54

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,256/65/52/0. Circ and washing to btm. Finished nippling up. Tested BOP stack to 5000 psi and Hydril to 3000 psi. Ran Howco RTTS pkr to 6130 and tested 7" csg annulus to 2000 psi for 30 min, held OK. Pulled and laid down RTTS. Tripped in w/6-1/8" Klusterite mill w/internal grapple and circ, washing to btm.
Mud: (.447) 8.6 x 45 x 16.8 SEP 11 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

9-1: 12,217/65/42/107 Drilling.

Mud: 8.5 x 33 x 16

9-2: 12,256/65/43/39 Fishing. Losing mud. Before being able to stop, 100 singles swelled up, 3½" DP, rounded kelly off in bushing. Came out of hole drlg tight at 69 stds.

Mud: 8.5 x 33

9-3: 12,256/65/44/0 Rolling csg. Ran dialog casing inspection log to 1230, stopped; rolled out csg to 1816, stopped; ran collar locator to 1350, showed csg parted or split from 156-197 w/15' void spot.

Mud: 8.5 x 33

9-4: 12,256/65/45/0 Pulling csg. Made first trip w/118' csg rec'd, 2nd trip recovered 1044', 3rd trip rec 589', 4th trip rec'd 90,000# over drill string wt. All pulled free completely; unthreaded each place.
Mud: None reported

SEP 4 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

12,256/65/46/0 Milling top csg. Rec'd 5841' 7" csg. Ran Bowen cutter; stopped at 5841. Ran in w/7" csg roller; stopped at 5842. Ran in w/8½ Servco concave mill; think milling split csg for several feet as 7" collar was recovered.
Mud: 8.5 x 40

SEP 5 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg at 12,107'

12,256/65/47/0 Going in w/impression block. Milled on csg from 5841-5862. Ran 8½ impression block and ran 8 3/4" mill; milled 1' from 62-63.
Mud: 8.5 x 51 x 16.2

SEP 6 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

8/25: 12,000/65/35/210. Drilling.

Mud: Wtr

8/26: 12,108/65/36/108. RU Schl. Dev: 2-3/4° @ 12,108.

Mudded up @ 12,080. Circ btms up 1-3/4 hrs.

8/27: 12,108/65/37/0. Pulling out of hole. Schl ran DIL and CNL-FDC w/many bridges and tight spots on last log. Bad FDC calibration. RD Schl. Tripped in w/bit and reamer washing and reaming through bridges and 60' of fill @ btm. Cond mud and circ out fill and slough.

Mud: (.442) 8.5 x 57

AUG 27 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

12,108/65/38/0. Laying down 5" DP. Finished logging CNL/FDC and Sonic logs. Circ out gas 2-3/4 hrs and started laying down DP. Hole in good shape after cond run - max drag 50#.

Mud: (.442) 8.5 x 57

AUG 28 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,108/65/39/0. Nippling up BOP's. Ran 294 jts 7", 26#, N-80 and CF-95 csg w/Hal diff fill float shoe @ 12,107 and Hal diff FC @ 11,971. With 20 BW ahead, cmt'd w/500 cu ft B-J Lite w/0.5% D-31 and 0.1% R-5 followed by 230 cu ft Class "G" w/1% D-31 and 0.2% R-5. Displaced with rig pump. Bumped plug w/1800 psi and 600 psi circ press, floats held OK. Displaced @ 6 BPM. Set slips w/285,000#.

Mud: (.442) 8.5

AUG 29 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,108/65/40/0. Picking up 3 1/2" DP. Finished nippling up BOP's. Tested BOPE to 5000 psi, OK and Hydril to 3000 psi, OK. All valves OK except upper kelly cock which will be replaced. Picked up and doped new DC's.

Mud: (.442) 8.5 x 57

AUG 30 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
7" csg @ 12,107'

12,110/65/41/2. Tripping for dia bit. Picked up DC's and pipe.

Mud: (.442) 8.5 x 57

AUG 31 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

8025/65/25/420. Drilling. Dev: 2° @ 7872. AUG 15 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

8995/65/27/505. Drilling. AUG 17 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

8/18: 9435/65/28/440. Drilling. Dev: 2° @ 9000.
Reamed 130'.
Mud: Wtr
8/19: 10,072/65/29/637. Drilling. AUG 20 1973
Mud: Wtr
8/20: 10,493/65/30/421. Drilling. Changed bit @
10,138 and washed 40' to btm. Dev: 2-3/4° @ 10,138.
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

11,080/65/31/687. Drilling. AUG 21 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

11,417/65/32/337. Drilling. Dev: 2° @ 11,082.
Tripped for new bit @ 11,082 and washed 120' to btm. AUG 22 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

11,656/65/33/239. Drilling. AUG 23 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

11,790/65/34/134. Drilling. Dev: 2-3/4° @ 11,720.
Changed bit @ 11,720. Drld bridges from 9960-10,056
and 11,250-11,300 and 60' of fill on btm. AUG 24 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

5640/65/17/310. Drilling. Down 6½ hrs for repair of
broken brake band. AUG 7 1973
Mud: Aerated wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

6100/65/18/460. Drilling. AUG 8 1973
Mud: Aerated wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13 3/4" csg at 257'

6265/65/19/165 Drilling. Tripped in to shoe.
Reamed 50'. Dev: 1½° at 6100.
Mud: Aerated wtr AUG 9 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13 3/8" csg at 257'

6625/65/20/360 Drilling. AUG 10 1973
Mud: Wtr - Air

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

8/11: 6705/65/21/80. Setting slips. Dev: 1½° @
6700. Strapped out of hole, OK. Ran 156 jts 9-5/8"
40#, K-55, ST&C csg w/shoe @ 6703 and FC @ 6615.
Cmt'd w/625 cu ft B-J lite and 265 cu ft Class "G" w/no
returns while cmtg. CIP @ 3 AM, 8/11. Bumped plug w/
2000 psi. Nippled down BOP's. AUG 13 1973
Mud: Aerated wtr

8/12: 6705/65/22/0. Press testing BOP stack. Nippled
up BOP stack and started testing same.

8/13: 7058/65/23/353. Drilling. Tested BOPE. Tripped
in and drld cmt, FC and shoe. FC and shoe corrected as
follows: FC @ 6586 and shoe @ 6674. Tested csg to
2000 psi for 15 min, OK. Bit w/three 12/32" nozzles
in hole - dropped ball and blew out jet. Cmt'd annulus
w/400 sx B-J lite w/3% CaCl₂. Max press 200 psi.
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
9-5/8" csg @ 6674'

7605/65/24/547. Drilling. AUG 14 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

7/28: 3410/65/7/265. WO compressor parts. Lost complete returns @ 3410. Pulled out of hole and WO compressor parts. Main compressor has bad piston.
Mud: Wtr

7/29: 3410/65/8/0. WO compressor parts. JUL 30 1973
7/30: 3410/65/9/0. WO compressor parts.

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

3410/65/10/0. WO air compressor @ shoe of 13-3/8" csg. Round tripped w/air drlg compression on stream. Piston galled after 1 hr. Reamed to btm prior to tripping out.
JUL 31 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

3765/65/11/355. Drilling. Reamed 2½ hrs.
Mud: Aerated wtr AUG 1 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

4268/65/12/503. Tripping in w/bit. AUG 2 1973
Mud: Aerated Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

4641/65/13/373. Prep to fish. While tripping out for bit, pin broke off at stab, leaving one 9" DC, stab, shock sub, 3-pt reamer, sub and bit in hole.
Mud: Aerated wtr AUG 3 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

8/4: 4651/65/14/10. Drilling. Fished 2½ hrs, rec'g fish. Laid down fishing tools and washed 50' to btm.
Mud: Aerated wtr
8/5: 5111/65/15/460. WO fishing tools. Snapped box on 2nd DC up from bit after drlg 20-3/4 hrs. Left in hole DC, stab, DC, shock sub, bit sub, float and bit.
Mud: Aerated wtr.

8/6: 5330/65/16/219. Drilling. Ran in w/fishing tools and rec'd fish. Magnafluxed DC's, OK. Reran same, washing to btm. AUG 6 1973
Mud: Aerated wtr

NEW OIL WELL

ALTAMONT

SHELL OIL COMPANY

LEASE	BURTON	WELL	1-16B5
DIVISION	WESTERN	ELEV	7034 KB, 7009 GL
COUNTY	DUCHESNE	STATE	UTAH
LOCATION	NW/4 NE/4 SECTION 16-T2S-R5W		

7/23/73 - 4/1/74

UTAHALTAMONT

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
13-3/8" csg @ 257'

"FR" Located 949' FNL and 1873' FEL (NW/4 NE/4)
Section 16-T2S-R5W, Duchesne County, Utah.

Elev: 7009 GL (ungraded)

Shell Working Interest: 100%

This is a routine Wasatch development test.

7/22: 300/65/1/300. Drilling. Spudded 17½" hole @
5 PM, 7/21/73. Dev: 1/2° @ 100, 225 and 300.

7/23: 300/65/2/0. Down, working on pump. Circ 30 min.
Ran 7 jts (303') 13-3/8", K-55, ST&C, 68#, Lone Star
csg w/Howco plain guide shoe @ 257'. B-J cmtd w/400
sx Class "G" w/3% CaCl₂. Displaced w/45 BW. Bled back
1/2 bbl. CIP @ 12 noon, 7/22. Nippled up and RU for
air drlg w/12½" Hydril. Hung 60' of 2" pipe down
annulus. B-J staged 300 sx Class "G" cmt w/3% CaCl₂
down outside and filled to cellar floor. WOC while
nippling up. Ran in w/BHA, tagging cmt @ 255'.
Mud: Wtr JUL 23 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
13-3/8" csg @ 257'

1120/65/3/820. Drilling. Lost circ @ 645'. Drld 300'
w/o returns. Added 300 sx sawdust w/good returns at
report time. Tripped for new bit @ 1048 w/no tight spots.
Dev: 3/4° @ 1048'. JUL 24 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
13-3/8" csg @ 257'

1695/65/4/575. Drilling. Changed bit @ 1582 and
washed 80' to btm. JUL 25 1973
Mud: Wtr

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

2670/65/5/975. Drilling. Dev: 2° @ 2100 and 1½° @
2536. Washed to btm.
Mud: Wtr JUL 26 1973

Shell-Burton 1-16B5
(D) Brinkerhoff #54
14,300' Wasatch Test
KB 7034'
13-3/8" csg @ 257'

3145/65/6/475. Drilling. JUL 27 1973
Mud: Wtr

BEST COPY
AVAILABLE

UTE RESEARCH LABORATORIES

P. O. BOX 119
FORT DUCHESNE, UTAH 84026
PHONE 722-2254

WATER SAMPLE FOR CHEMICAL ANALYSIS

(Fill out top portion of page; all blanks must be filled in.)

SAMPLE COLLECTED FROM: (check one)

Stream

Spring

Well

City or Town water distribution system

Other

(describe)

Sec. 16-28-5W

EXACT DESCRIPTION OF SAMPLING POINT:

Shell Oil Co.

Well 1-16-B5

Sample No. W-1257

STATE ENGINEER'S APPLICATION OR CLAIM NO.

SUPPLY OWNED BY:

PRESENT USE OF SUPPLY:

PROPOSED USE OF SUPPLY:

SAMPLE COLLECTED BY:

DATE:

REPORT RESULTS TO:

Address:

DO NOT WRITE BELOW DOUBLE LINE

Resistivity	1.01	OHM Meter	RESULTS OF ANALYSIS
Turbidity	45	Turbidity Units	
Conductivity	8000	Micromhos/cm	
pH	8.10		
Total Dissolved Solids	4720	mg/l	
Alkalinity(total) as CaCO ₃	498	mg/l	
Aluminum as Al	0.01	mg/l	
Arsenic as As	0	mg/l	
Barium as Ba	0	mg/l	
Bicarbonate as HCO ₃	498	mg/l	
Boron as B	8.6	mg/l	
Cadmium as Cd	0	mg/l	
Calcium as Ca	75.0	mg/l	
Carbonate as CO ₃	0	mg/l	
Chloride as Cl	1419.4	mg/l	
Chromium(hexavalent) as Cr	0	mg/l	
Copper as Cu	0.01	mg/l	
Cyanide as CN		mg/l	
Fluoride as F	5.6	mg/l	
Hardness(total) as CaCO ₃	245.0	mg/l	
Hydroxide as OH	0	mg/l	

Iron (total) as Fe	0.23	mg/l
Iron in filtered sample	0.18	mg/l
Lead as Pb as Fe	0	mg/l
Magnesium as Mg	13.9	mg/l
Manganese as Mn	0.01	mg/l
Nitrate as NO ₃	0.42	mg/l
Phosphate as PO ₄	.01	mg/l
Phenols as Phenol		mg/l
Potassium as K	11.0	mg/l
Selenium as Se		mg/l
Silica as SiO ₂		mg/l
Silver as Ag	0	mg/l
Sodium as Na	1280.0	mg/l
Sulfate as SO ₄	680	mg/l
Surfactant as LAS		mg/l
Zinc as Zn	0	mg/l

Sample received on 8-14-74

at Ft. Duchesne

Salt Lake City

Cash received with sample \$ none

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 949' FNL & 1873' FEL Section 16		8. FARM OR LEASE NAME Burton
14. PERMIT NO.		9. WELL NO. 1-16B5
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7034 KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 NE/4 Section 16-T2S-R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☒

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☒

ABANDONMENT*

☐

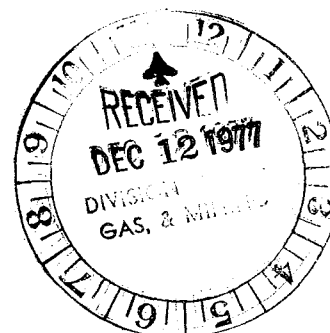
(Other)

☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attachment



18. I hereby certify that the foregoing is true and correct

SIGNED

L. Plautz

TITLE

Div. Opes. Engr.

DATE

12/7/77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS w/attachment

*See Instructions on Reverse Side

ACID WASH

ALTAMONT

SHELL OIL COMPANY

LEASE

BURTON

WELL NO.

1-16B5

DIVISION

WESTERN

ELEV

7034 KB

FROM: 10/18 - 11/2/77

COUNTY

DUCHESNE

STATE

UTAH

UTAHALTAMONTShell-Burton 1-16B5
(AW)

OCT 18 1977

"FR" TD 14,261. PB 14,227. AFE provides funds to AW perfs for scale cleanup. RIH w/Otis Mdl N plug. MI&RU HOT & press'd tbg to 2500 psi, ok. RD HOT & pulled Mdl N plug. RD WL trk & turned well to bty. 10/11 MI&RU BJ. Pmp'd 2000 gals 15% wt'd, HCl containing 6 gals/1000 gals J22 & dbl-inh'd. Flushed w/68 bbls prod wtr. RD BJ.

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 27 BO, 326 BW,
988 MCF gas w/200 psi.

OCT 19 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 35 BO, 337 BW,
988 MCF gas w/200 psi.

OCT 20 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 29 BO, 299 BW,
960 MCF gas w/200 psi.

OCT 21 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 28 BO, 379 BW,
960 MCF gas w/200 psi.

OCT 24 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
10/21	24	31	370	760	200
10/22	24	30	397	820	200
10/23	24	31	359	791	200

OCT 25 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 30 BO, 379 BW,
752 MCF gas w/200 psi.

OCT 26 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 29 BO, 355 BW,
636 MCF gas w/200 psi.

OCT 27 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 31 BO, 291 BW,
857 MCF gas w/200 psi.

OCT 28 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24-hr test, prod 35 BO, 262 BW,
857 MCF gas w/300 psi.

OCT 31 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. On 24- test, prod 31 BO, 268 BW,
857 MCF gas w/200 psi.

NOV 01 1977

Shell-Burton 1-16B5
(AW)

TD 14,261. PB 14,227. Before acid job, well prod an avg
of 100 BO, 578 BW & 649 MCF gas/day. After work, well avg'd
31 BO, 310 BW & 30 MCF gas/day. NOV 02 1977
FINAL REPORT

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 949' FNL & 1873' FEL Sec. 16		8. FARM OR LEASE NAME Burton
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7034 KB	9. WELL NO. 1-16B5
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 NE/4 Sec. 16-T2S-R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____ See attachment
BY: _____

18. I hereby certify that the foregoing is true and correct

SIGNED

P. Plauty

TITLE Div. Ops. Engr.

DATE 10/19/78

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS w/attachments

*See Instructions on Reverse Side

CO, PERF & ACDZ
SHELL OIL COMPANY

FROM: 9/12-10/12/78

LEASE	BURTON	WELL NO.	ALTAMON: 1-16B5
DIVISION	WESTERN	ELEV	7034 KB
COUNTY	DUCHESNE	STATE	UTAH

UTAH

ALTAMONT

Shell-Burton 1-16B5
(CO, Perf & Acdz)

SEP 12 1978

"FR" TD 14,261. PB 14,220. AFE #429286 provides funds to retire heat string & AFE #429287 provides funds to CO, perf & acdz. On 24-hr test 9/7/78, prod 32 BO, 841 BW & 105 MCF gas; 627 MCF/D gas inj. MI&RU WOW #19 9/8. Pmp'd 300 BW down csg & 100 bbls down tbg. Removed WH & installed 6" BOP's. Worked seal assy free from pkr. 9/9 SITP 350#. Pulled tbg & LD gas mndrls. Installed 10" BOP's & 5-1/2" rams. Unable to get heat string free from csg hd. Pmp'd 200 bbls 180 deg wtr down backside & worked heat string free. SI overnight.

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,220. 9/11 CP 0. MI&RU csg crew & LD 108 jts 5-1/2" csg (heat string). Removed 10" BOP's & installed 6" BOP's. PU Bkr 7" pkr picker & RIH. Tag'd Mdl D pkr @ 11,915. PU power swivel & installed drlg hd. SI overnight.

SEP 13 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

SEP 14 1978

TD 14,261. PB 14,220. 9/12 SITP 0. Stung into pkr & started pmp'g down tbg. Milled pkr free & LD power swivel. Started out of hole & had to work pkr thru 1st few csg collars. SD rig & chng'd drl line. Pmp'd 1000 BW while mill'g pkr up w/no returns. SD for night.

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,220. 9/13 SITP 0. RIH w/4-1/8 OD x 2" ID mill; tbg took some wt going down thru 5". Tag'd @ 14,172; unable to get circ. Started POOH. SD for night.

SEP 15 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

SEP 18 1978

TD 14,261. PB 14,220. 9/14 SITP 0. Fin'd POOH. OWP perf'd as per prog using 3-1/8 csg gun; unable to shoot the btm 2 holes. Perf'd 14,161-12,673 for total of 108' & 336 holes. Had no press incr while perf'g & unable to find FL. SD for night.

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,220. 9/15 250 psi; bled csg to pit. Fin'd perf'g as per prog. Perf'd 12,666-11,940 (58' & 174 holes); no press incr while perf'g. While RD, lubri blew in. RU 7" lubri & RIH on WL w/Bkr Mdl D 7" pkr & set @ 11,915. RD OWP. PU latch-in seal assy w/4" prod tube & RIH. Latched into pkr, spaced out & landed tbg w/5000# tension. 9/16 TP 550 psi. Filled csg & pmp'd 150 bbls hot wtr down tbg. Drop'd SV & press tested csg to 2500 psi, held ok. Press tested tbg to 6500 psi, held ok. MI&RU slick line trk & RIH. Latched onto SV, but unable to pull. Jar'd on SV 2 hrs w/o success. Sheared off SV & POOH. RD slick line trk. RIH twice w/sdline to retrieve SV w/o success. Unlatched from pkr & pulled tbg. Repl'd seal assy & SN. Started back in hole. SD for night.

SEP 19 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. 9/18 TP 75 psi; CP 150 psi. RIH & latched into pkr @ 11,915 & hung tbg on w/5000# tension. Pmp'd 100 bbls hot wtr down tbg & drop'd SV. Filled backside w/wtr & tested to 2500 psi, ok. Press tested csg to 6500 psi, ok. MI&RU slick line trk & retrieved SV. Removed BOP's & installed 10,000# WH. BJ acdz'd as per prog w/50,000 gals 7-1/2% HCl, 660 ball sealers & 6000# Benzoic Acid Flakes. Max press 8250 psi, min 1950 & avg 5400. Max rate 19.5 B/M, min 13, avg 16.6. Flushed w/115 BW. ISIP 2000 psi & vac in 2-1/2 mins. Held 2500 psi on backside thruout job; no indication of communication across pkr. Saw a lrg brk when 1st stage of BAF hit frm from 8000 psi @ 13 B/M to 2700 psi @ 17 B/M. RD BJ. OWP RIH; tag'd PBD @ 14,185. Ran GR log from 14,185-11,850; log indicates most old zones took lrg amts of fluid & most new zones took some fluid. RD OWP. SD for night.

SEP 20 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. 9/19 TP 450 psi; bled to pit. Pmp'd 50 BW down tbg. Removed 10,000# WH & installed 6" BOP's. Unlatched from pkr & POOH. RIH w/new assy & gas mndrls & valves as per prog. Latched into pkr @ 11,915 & spaced out. Hung tbg in tension w/5000#. Removed 6" BOP's & installed 5000# WH. SD for night.

SEP 21 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. 9/20 Hooked up flwline & gas inj. Returned well to prod. RD WOW #19. On 14-hr test, prod 359 BO & 381 BW on 64/64 tbg chk.

SEP 22 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. Gauge not available.

SEP 25 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test, prod 407 BO, 470 BW & 2021 MCF gas w/350 psi.

SEP 26 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test, prod 541 BO, 442 BW & 1598 MCF gas w/300 psi. SEP 27 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test 9/23, prod 345 BO,
400 BW & 1399 MCF gas w/250 psi. On 24-hr test 9/24, prod
280 BO, 49 BW & 1368 MCF gas w/250 psi. SEP 28 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. Gauge not available. SEP 29 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test, prod 213 BO, 219 BW
& 1383 MCF gas w/300 psi. OCT 02 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On various tests, prod:

Date	Hrs	BO	BW	MCF Gas	Press
9/26	24	306	0	1367	400
9/27	24	200	200	1229	600
9/28	24	231	405	1368	300
9/29	24	255	164	1555	300
9/30	24	255	400	1710	200

OCT 03 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. Gauge not available.

OCT 04 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test 10/1, prod 210 BO,
483 BW & 1440 MCF gas w/300 psi. On 24-hr test 10/2, prod
168 BO, 609 BW & 1553 MCF gas w/300 psi. OCT 05 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test 10/3, prod 137 BO,
471 BW & 1291 MCF gas w/300 psi. On 24-hr test 10/4, prod
220 BO, 360 BW & 1322 MCF gas w/250 psi. OCT 06 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test, prod 56 BO, 200 BW
& 1244 MCF gas w/250 psi. OCT 09 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test 10/6, prod 144 BO,
300 BW & 1305 MCF gas w/250 psi. On 24-hr test 10/7, prod
108 BO, 200 BW & 1337 MCF gas w/250 psi. OCT 10 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,185. On 24-hr test, prod 166 BO, 250 BW
& 1260 MCF gas w/300 psi. OCT 11 1978

Shell-Burton 1-16B5
(CO, Perf & Acdz)

TD 14,261. PB 14,227. For month of Aug, well avg'd 25
BO/D, 293 BW/D & 593 MCF inj gas. For month of Sept, well
avg'd 114 BO/D, 215 BW/D & 493 MCF inj gas. For 1st 7
days of Oct, well has avg'd 143 BO/D, 341 BW/D & 799 MCF
inj gas. OCT 12 1978
FINAL REPORT

Shell Oil Company



P.O. Box 831
Houston, Texas 77001

December 30, 1983

Mr. Norm Stout
State of Utah
Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Dear Mr. Stout:

TRANSFER OF OWNERSHIP AND ASSETS
FROM SHELL OIL COMPANY TO
SHELL WESTERN E&P INC.
STATE OF UTAH

In accordance with our recent conversation, the purpose of this letter is to reduce to writing that Shell Western E&P Inc. ("SWEPI"), a subsidiary of Shell Oil Company, has been formed. Shell Western E&P Inc. is a Delaware corporation with its offices located at 200 North Dairy Ashford Road in Houston, Texas. The mailing address is P. O. Box 831, Houston, TX 77001.

Effective January 1, 1984, Shell Oil Company will transfer portions of its oil and gas operations to Shell Western E&P Inc. and Shell Western E&P Inc. will assume all of the rights, interests, obligations and duties which Shell Oil Company currently has as a result of its exploration, development and production operations in the State of Utah.

As you are aware, Shell Oil Company is currently the holder of various permits and agency authorizations. In view of the fact that Shell Western E&P Inc. will assume all of the liabilities and obligations of Shell Oil Company's exploration and production activities within the state, we respectfully request that you transfer all permits or other authorizations from Shell Oil Company to Shell Western E&P Inc., effective January 1, 1984.

To support this request, a copy of the power of attorney appointing the undersigned as Attorney-in-Fact for Shell Western E&P Inc. is enclosed. On behalf of Shell Western E&P Inc., enclosed are recently issued Bond No. Shell 1835 and Bond No. Shell 1841. The bonds were issued by the Insurance Company of North America. In the near future, I shall request that the existing Shell Oil Company bonds be released.

It is my understanding, pursuant to our prior discussion, that this letter will comply with your requirement regarding the change in the name of the permittee.

Sufficient copies of this letter are being provided to your office so that a copy can be placed in each appropriate file. A listing of active wells is enclosed. Thank you in advance for your cooperation in this matter.

Yours very truly,

G. M. Jobe

G. M. Jobe
Administrator, Regulatory-Permits
Rocky Mountain Division
Western E&P Operations

GMJ:beb

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
 (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR Shell Western E&P Inc. ATTN: E. A. Vajnar 6486 WCK. 3. ADDRESS OF OPERATOR P. O. Box 831 Houston, Tx. 77001 4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 949' FNL & 1873' FEL Sec. 16		5. LEASE DESIGNATION AND SERIAL NO. Patented 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Burton 9. WELL NO. 1-16B5 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec. 16 T2S R5W NW/4 NE/4 12. COUNTY OR PARISH Duchesne 13. STATE Utah
14. PERMIT NO. 15. ELEVATIONS (Show whether 27, 27, or 27) KB 7034'		

RECEIVED

APR 18 1984

**DIVISION OF OIL
 GAS & MINING**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☒

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Current Status: Currently producing 21 BOPD + 200 BWPD + 90 MCFPD from the Wasatch (11,325' to 10,000')

Proposed Work: Acidize perforated inter 50,000 gallons 15% HCl.

#2
*Sundry indicates
 workover into
 YRRV.*

18. I hereby certify that the foregoing is true and correct

SIGNED

E. A. Vajnar

TITLE

Div. Oper. Engr.

DATE

4/13/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Western E&P Inc. ATTN: E. A. Vajnar 6486 WCK.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831 Houston, Tx. 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 949' FNL & 1873' FEL Sec. 16		8. FARM OR LEASE NAME Burton
<div style="border: 1px solid black; padding: 5px; display: inline-block;">RECEIVED</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">APR 18 1984</div>		9. WELL NO. 1-16B5
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Altamont
15. ELEVATIONS (Show whether cr, rt, or fm) KB 7034'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16 T2S R5W NW/4 NE/4
DIVISION OF OIL GAS & MINING		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICES OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☒
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

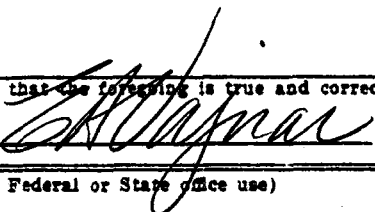
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Current Status: Currently producing 21 BOPD + 200 BWPD + 90 MCFPD from the Wasatch (11,325'-14,163').

Proposed Work: Acidize perforated interval (11,325'-14,163') with 50,000 gallons 15% HCl. Return to production.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

Div. Oper. Engr.

DATE

4/13/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
 (Other instructions on
 reverse side)

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1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
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3. ADDRESS OF OPERATOR P. O. Box 831 Houston, Tx. 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 949' FNL & 1873' FEL Sec. 16		8. FARM OR LEASE NAME Burton
14. PERMIT NO.		9. WELL NO. 1-16B5
15. ELEVATIONS (Show whether DF, RT, OR, etc.) KB 7034'		10. FIELD AND POOL, OR WILDCAT Altamont
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16 T2S R5W NW/4 NE/4
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH Duchesne
18. I hereby certify that the foregoing is true and correct		13. STATE Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
 Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

RECEIVED

COMPLETED OPERATIONS
 (4/30-5/7/84)

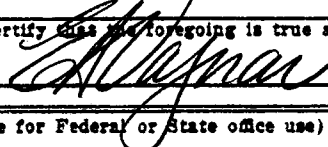
JUN 7 1984

DIVISION OF OIL
 GAS & MINING

Acid treated Wasatch (11,325'-14,163') with 50,000
 gallons 15% HCl. Returned well to production.
 Final report 5/30/84 7 day avg. 76 oil 272 wtr 63 Mcf.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

Div. Oper. Engr.

DATE

5/30/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE: UTAH
FIELD: ALTAMONT

WELL: BURTON 1-16B5

LABEL: FIRST REPORT
WO NO.: 512297
FOREMAN: K.C. LAROSE
RIG: WDW 19
AUTH. AMNT: 75000
DAILY COST: 2160.95
CUM. COST: 2160.95
TYPE OF JOB: REMEDIAL OIL OR GAS
OBJECTIVE: CLEAN OUT AND STIMULATE THE WASATCH

DATE(S): 4-30-84
PRESENT STATUS: 5-1-84 PULL 100 STANDS OF 2 7/8 INCH TBG.

ACTIVITY: 4-30-84 STATUS: WO 512297 PROVIDES FUNDS FOR THE
02 AMOUNT OF 75000 TO CLEAN OUT AND STIMULATE THE WASATCH
03 4-30-84 ACTIVITY: BLED CSG GAS OFF TO TREATOR
04 PUMPED 100 BBLs WTR DOWN TBG REMOVED W.H. INSTALLED
05 BOP R.U. FLOOR REMOVED TBG. HANGER COULD NOT RELEASE
06 PKR. R.U. POWER SWIVEL RELEASED PKR. LAID DOWN
07 POWER SWIVEL TRIED TO GO DOWN HOLE W/
08 PKR. COULD NOT STARTED OUT OF HOLE PKR HUNG UP
09 AT 9246 FT. WOULD NOT WORK LOOSE PICKED UP POWER
10 SWIVEL WORKED PKR. LOOSE LAID DOWN POWER SWIVEL
11 PULL 100 STANDS OF 2 7/8 INCH TBG. S.D.O.N.

STATE: UTAH
FIELD: ALTAMONT

WELL: BURTON 1-16B5

LABEL: -----
WO NO.: 512297
FOREMAN: K.C. LAROSE
RIG: WDW 19
AUTH. AMNT: 75000
DAILY COST: 3493.40
CUM. COST: 5654.35
TYPE OF JOB: REMEDIAL OIL OR GAS
OBJECTIVE: CLEAN OUT AND STIMULATE THE WASATCH

DATE(S): 5-1-84
PRESENT STATUS: POOH WIT 4 JTS. TBG.

ACTIVITY: BLED OFF TBG. AND CSG. PUMPED 20 BBLs. WTR. DOWN
02 TBG. FINISHED POOH LAYING DOWN GAS LIFT EQUIP.
03 LAID DOWN PKR. REMOVED COLLAR STOP. PICKED UP
04 6 1/8 IN. MILL AND CLEAN OUT TOOL. RIH WITH 362
05 JTS. OF 2 7/8 IN. PROD. STRING. MOVE OVER 25 JTS
06 OF WORK STRING. STARTED PICKING UP WORK STRING
07 TAG 5 IN. LINER TOP AT 11293 FT. POOH WITH 4 JTS
08 OF TBG. SDON

STATE:
FIELD:

UTAH
ALTAMONT

WELL:

BURTON 1-16B5

LABEL:

WO NO.:

512297

FOREMAN:

K.C. LAROSE

RIG:

WOW 19

AUTH. AMNT:

75000

DAILY COST:

3493.40

CUM. COST:

9147.75

TYPE OF JOB:

REMEDIAL OIL OR GAS

OBJECTIVE:

CLEAN OUT AND STIMULATE THE WASATCH

DATE(S):

5-2-84

PRESENT STATUS:

CLEAN OUT 5 IN. LINER

ACTIVITY:

02

bled off TBG. AND CSG. PUMPED 30 BBLs WTR. DOWN TBG. POOH. LAID DOWN 6 1/8 IN. MILL AND CLEAN OUT TOOL. PICKED UP 4 1/8 IN. MILL AND CLEAN OUT TOOL. RIH WITH 386 JTS. OF 2 7/8 IN. TBG. MOVED OVER 73 JTS. OF WORK STRING. STARTED PICKING UP TBG. TAG 5 IN. LINER TOP AT 11923 FT. CLEANED OUT 5 IN. LINER TO 12990 FT. PULLED OUT OF 5 IN. LINER. SDON

03

04

05

06

07

08

STATE:

UTAH

FIELD:

ALTAMONT

WELL:

BURTON 1-16B5

LABEL:

WO NO.:

512297

FOREMAN:

K.C. LAROSE

RIG:

WOW 19

AUTH. AMNT:

75000

DAILY COST:

2190.95

CUM. COST:

11338.70

TYPE OF JOB:

REMEDIAL OIL OR GAS

OBJECTIVE:

CLEAN OUT AND STIMULATE THE WASATCH

DATE(S):

5-3-84

PRESENT STATUS:

MILL AND CLEAN OUT

ACTIVITY:

02

bled off TBG AND CSG. PUMPED 20 BBLs WTR DOWN CSG. RIH WITH 36 JTS. START PICKING UP TBG. TAG AT 14151 FT. PICKED UP POWER SWIVEL. CLEAN OUT TO 14180 FT. LAID DOWN POWER SWIVEL. POOH WHILE LAYING DOWN 98 JTS. OF WORK STRING. LAID DOWN MILL AND CLEAN OUT TOOL. PICKED UP 7 IN. 2 1/2 LB. HD PKR. AND + 45 SEATING NIPPLE. START IN HOLE. SDON.

03

04

05

06

07

08

STATE:
FIELD:

UTAH
ALTAMONT

WELL:

BURTON 1-16B5

LABEL:

WO NO.:

512297

FOREMAN:

K.C. LAROSE

RIG:

WOW 19

AUTH. AMNT:

75000

DAILY COST:

40682 & 1973

CUM. COST:

53994

TYPE OF JOB:

REMEDIAL OIL OR GAS

OBJECTIVE:

CLEAN OUT AND STIMULATE THE WASATCH

DATE(S):

5-4-84 & 5-5-84

PRESENT STATUS:

ACIDIZE AND RIG DOWN.

ACTIVITY:

02

5-4-84 BLEED OFF TBG AND CSG. FINISHED RIH WITH 362 JTS. TBG. SET PKR. AT 11160 FT. WITH 25000 LBS

03

COMPRESSION. LAND TBG FILL AND PRESS. TO 1000

04

LBS. REMOVE BOP AND INSTALL W.H. EQUIPMENT. RIG

05

UP DOWELL TO ACIDIZE ACCORDING TO PROG. PUMPED

06

50000 GALS. 15 % HCL AT AN AVG. PRESS. OF 7000

07

LBS. USED 700 BALLS AND 9000 LBS. BAF. AVG RATE

08

WAS 12.5 BBLs A MIN. FLUSHED WITH 125 BBLs PROD.

09

WTR. ISIP 160 LBS. 5 MIN 160 LBS. 10 MIN 150 LBS.

10

15 MIN 150 LBS. 20 MIN 150 LBS. RIG DOWN DOWELL.

11

REMOVE WELL HEAD AND INSTALL BOP. REMOVE TBG.

12

HANGER AND RELEASE PKR. START OUT OF HOLE WITH

13

TBG. SDON.

14

5-5-84 BLEED OFF TBG AND CSG. PUMP 30 BBLs. WTR

15

DOWN. TBG. FINISH POOH WITH TBG. AND PKR. PICK UP

16

MT. STATES 7 IN. 32-A PKR. + 45 SN AND 362 JTS.

17

TBG. SET PKR AT 11225 FT. WITH 18000 LBS TENSION.

18

INSTALL TBG HANGER LAND TBG. REMOVE BOP AND INSTALL

19

WELL HEAD. HOOK UP FLOWLINE. TURN GAS LIFT GAS ON

20

RIG DOWN EQUIPMENT. SDON.

21

5-6-84 SUNDAY NO WORK.

STATE: UTAH
FIELD: ALTAMONT

WELL: BURTON 1-16B5

LABEL: FINAL REPORT
WD NO.: 512297
FOREMAN: K.C. LAROSE
RIG: WOW 19
AUTH. AMNT: 75000
DAILY COST: 0
CUM. COST: 53994.00
TYPE OF JOB: REMEDIAL OIL OR GAS
OBJECTIVE: CLEAN OUT AND STIMULATE THE WASATCH

DATE(S): 5-30-84
PRESENT STATUS: WELL ON PRODUCTION
LATEST TEST: 7 DAY AVG 76 OIL 272 WTR 63 MCF 549 INJ

ACTIVITY: RIG MOVED FROM LOCATION ON 5-7-84. PRODUCTION ON
WELL BEFORE JOB IS AS FOLLOWS 10 OIL 100 WTR 8MCF
AND 90 GAS INJ. PROD AFTER JOB. 7 DAY TEST.

02	5-17	79 OIL	211 WTR	48 MCF	502 INJ
03	5-18	95 OIL	214 WTR	104 MCF	525 INJ
04	5-19	95 OIL	299 WTR	139 MCF	450 INJ
05	5-20	56 OIL	318 WTR	20 MCF	609 INJ
06	5-21	100 OIL	272 WTR	29 MCF	600 INJ
07	5-22	50 OIL	357 MCF	76 MCF	553 INJ
08	5-23	58 OIL	230 WTR	27 MCF	602 INJ

MONTHLY OIL AND GAS PRODUCTION REPORT

Duchesne

Operator name and address:

UTEX OIL CO.
% SHELL WESTERN E&P INC.PO BOX 576
HOUSTON TX 77001
ATTN: P.T. KENT, OIL ACCT.Operator name
change

Utah Account No. N0840

Report Period (Month/Year) 8 / 84

Amended Report ☐

Well Name API Number	Entity	Location	Producing Zone	Days Oper	Production Volume		
					Oil (BBL)	Gas (MSCF)	Water (BBL)
MURDOCK 1-3485 4301330230 01786	✓	02S 05W 34	WSTC	31	1800	1010	381
JENKINS 1-183 4301330175 01790	✓	02S 03W 1	GR-WS	31	1719	2905	8117
YOUNG ETAL 1-2984 4301330246 01791	✓	02S 04W 29	WSTC	31	768	0	4270
BROADHEAD 1-3285 4301330221 01795	✓	02S 05W 32	WSTC	18	219	0	70
UTE 1-2884 4301330242 01796	✓	02S 04W 28	WSTC	30	486	1169	3601
UTE TRIBAL 1-35A3 4301330181 01800	✓	01S 03W 35	WSTC	31	2846	2175	5066
MURDOCK 1-2585 4301330247 01801	✓	02S 05W 25	WSTC	20	341	0	1312
HANSON TRUST 1-08B3 4301330201 01805	✓	02S 03W 8	GR-WS	0	0	0	0
URTON 1-1685 4301330238 01806	✓	02S 05W 16	WSTC	19	964	2585	5166
DOYLE 1-10B3 4301330187 01810	✓	02S 03W 10	WSTC	5	224	662	421
MEAGHER EST 1-04B2 4301330313 01811	✓	02S 02W 4	WSTC	31	1818	3214	3937
SHELL UTE 1-28B5 4301330179 01815	✓	02S 05W 28	GR-WS	0	0	0	0
MEAGHER TRIBL 1-09B2 4301330325 01816	✓	02S 02W 9	WSTC	31	945	909	3214
TOTAL					✓ 12130	14629	35555

C.T. - 2

TOTAL

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

9-28-84

Telephone

Authorized signature

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

PERMIT IN TRIPLICATE*
(Other instructions on reverse side.)

010926A

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR ANR Limited Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any requirements. See also space 17 below.) At surface See attached list		8. FARM OR LEASE NAME Burton
14. PERMIT NO. 43-013-30238		9. WELL NO. 1-16 B5
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
16. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16 25 5w
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		12. COUNTY OR PARISH Nueces
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		13. STATE

RECEIVED
DEC 31 1986

DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) - Change Operator

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
 (Other instructions on
 reverse side)

2

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR ANR Limited Inc. 3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 949' FNL & 1,873' FEL (NWNE) 14. PERMIT NO. 43-013-30238		5. LEASE DESIGNATION AND SERIAL NO. Patented <u>POW-WSTC</u> 6. IF INDIAN, ALLOTTED OR TRIBE NAME 121127 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Burton 9. WELL NO. 1-16B5 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 16-T2S-R5W 12. COUNTY OR PARISH Duchesne 13. STATE Utah
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7,009' GL		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This sundry to correct completion report for the above-referenced well. Completion report shows Wasatch geologic top to be 11,417'. The Wasatch top should be @ 11,322'; therefore, this well produces solely from the Wasatch formation.

18. I hereby certify that the foregoing is true and correct

SIGNED

Elleen Danni Dev
 Elleen Danni Dev

TITLE Regulatory AnalystDATE 12-3-87

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

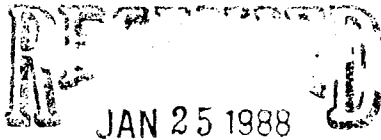
DATE _____

CONDITIONS OF APPROVAL, IF ANY:



ANR Production Company
a subsidiary of The Coastal Corporation

012712



DIVISION OF
OIL, GAS & MINING

January 19, 1988

Natural Resources
Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Lisha Romero

This letter includes the information you requested on January 12, 1988 concerning the recent merger of ANR Limited, Inc. into ANR Production Company. Effective December 31, 1987 (December, 1987 Production), ANR Limited, Inc. merged into ANR Production Company; and henceforth, will continue operations as ANR Production Company.

ANR Production Company will begin reporting and remitting the Utah Conservation and Occupation Taxes effective December, 1987 production for leases previously reported by ANR Limited, Inc. (Utah Account No. N-7245). ANR Production Company will use the new Utah Account No. N-0675, as assigned by the State of Utah.

Please contact me at (713) 877-6167 if I can answer any questions on this matter.

Very truly yours,

Roger W. Sparks
Roger W. Sparks
Manager, Crude Revenue Accounting

*The computer shows the
ANR Limited wells listed
under account no. N0235.
DTS
1-26-88*

CC: AWS

CTE:mmw

Lisha,

*I don't see any problem w/this.
I gave a copy to Arlene so
she could check on the bond
situation. She didn't think this
would affect their bond as the
bond is set up for Coastal
and its subsidiaries (ANR, etc.)
No Entity Number changes are
necessary. DTS 1-26-88*



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

Page 6 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ANR LIMITED INC./COASTAL
P O BOX 749
DENVER CO 80201 0749
ATTN: RANDY WAHL

Utah Account No. N0235

Report Period (Month/Year) 11 / 87

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
JENKINS 1-1B3							
4301330175	01790 02S 03W 1		GR-WS				
YOUNG ETAL 1-29B4							
4301330246	01791 02S 04W 29		WSTC				
JENKINS #2-1B3							
4301331117	01792 02S 03W 1		WSTC				
BROADHEAD 1-32B5							
4301330221	01795 02S 05W 32		WSTC				
UTE 1-28B4							
4301330242	01796 02S 04W 28		WSTC				
UTE TRIBAL 1-35A3							
4301330181	01800 01S 03W 35		WSTC				
MURDOCK 1-25B5							
4301330247	01801 02S 05W 25		WSTC				
HANSON TRUST 1-08B3							
4301330201	01805 02S 03W 8		GR-WS				
BURTON 1-16B5							
4301330238	01806 02S 05W 16		WSTC				
DOYLE 1-10B3							
4301330187	01810 02S 03W 10		GR-WS				
SHELL UTE 1-28B5							
4301330179	01815 02S 05W 28		GR-WS				
RUDY 1-11B3							
4301330204	01820 02S 03W 11		WSTC				
SHELL UTE 1-36A3							
4301330263	01821 01S 03W 36		WSTC				
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____

Telephone _____



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 18, 1987

Mr. Randy Wahl
ANR Limited Inc./Coastal
Post Office Box 749
Denver, Colorado 802010749

Dear Mr. Wahl:

Re: Burton #1-16B5 API # 4301330238 SEC 16 T02S R05W Duchesne Co

Please help us verify the producing formation(s) of the referenced well. The well completion report (copy attached) identifies perforations only in the Wasatch formation, but a later sundry (copy attached) identifies perforations into the Green River formation (according to formation tops which are identified on the completion report).

If the well has in fact been recompleted as a Green River-Wasatch producer, the effective date and any other information which can be provided will be appreciated.

Please call, or send the requested information to my attention.

Respectfully,

Norman C. Stout
Records Manager, Oil & Gas

vlc
Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
Suspense file
File
0511S-46

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(One copy to be retained on file)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
AUG 15 1988

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 949' FNL & 1873' FEL (NWNE)		8. FARM OR LEASE NAME Burton
14. PERMIT NO. 43-013-30238		9. WELL NO. 1-16B5
15. ELEVATIONS (Show whether SP, RT, GR, etc.) 7009' GL		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SUBST OR AREA Section 16, T2S-R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) Convert Gas Lift to Beam Pump ☒

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ANR Production Company proposes to convert the above-referenced well from gas lift to beam pump. This conversion will reduce lifting costs and increase production.

COPY

18. I hereby certify that the foregoing is true and correct

SIGNED

Eileen Danni Day
Eileen Danni Day

TITLE Regulatory Analyst

DATE August 3, 1988

(This space for Federal or State office use)

APPROVED BY

COMMENTS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE

OF UTAH DIVISION OF

OIL, GAS, AND MINING

DATE: 8-18-88

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented	
2. NAME OF OPERATOR ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 949' FNL & 1873' FEL (NWNE)		8. FARM OR LEASE NAME Burton	
14. PERMIT NO. 43-013-30238		9. WELL NO. 1-16B5	
15. ELEVATIONS (Show whether ss, st, or etc.) 7009' GL		10. FIELD AND POOL, OR WILDCAT Altamont	
16. PERMIT NO. 43-013-30238		11. SEC., T., R., M., OR S.E. AND SUBST OR AREA Section 16, T2S-R5W	
17. COUNTY OR PARISH Duchesne		18. STATE Utah	

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input checked="" type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Proposed Procedure:

- Clean out well bore to PBTD (14,185').
- Cement squeeze interval 13,440-13,590' w/150 sx cl "G" cement + additives. Squeeze to 1000 psi.
- Perf Wasatch (11,324-13,827') @ 3 JSPF, 279 total holes.
- Acidize perfs 13,603 to 14,163' w/700 gal 15% HCl and additives.
- RIH w/gas lift production equipment and return well to production.

18. I hereby certify that the foregoing is true and correct

SIGNED Eileen Danni Dey

TITLE Regulatory Analyst

DATE August 22, 1988

(This space for Federal or State office use)

APPROVED BY _____
 CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING

DATE: 8-29-88

BY: [Signature]

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. Patented	
2. NAME OF OPERATOR ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 949' FNL & 1373' FEL (NWNE)		8. FARM OR LEASE NAME Burton	
14. PERMIT NO. 43-013-30233		9. WELL NO. 1-16E5	
15. ELEVATIONS (Show whether SO, ST, OR, OR, OR.) 7009' GL		10. FIELD AND POOL, OR WILDCAT Altamont	
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		11. SEC., T., R. N., OR S.E. AND SUBST. OR AREA Sec. 16-T2S-R5W	
17. DESCRIBE PURPOSE OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		12. COUNTY OR PARISH Duchesne	
18. I hereby certify that the foregoing is true and correct		13. STATE Utah	

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input checked="" type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>	FRACTURE TREATMENT	<input checked="" type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(Other)	<input type="checkbox"/>		
(Other)				(Note: Report results of multiple completion or well completion or recompletion report and log form.)			

17. DESCRIBE PURPOSE OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

January 31 through March 3, 1989

- 1) MIRU. ND wellhead. NU BOPE. Rel. pkr. POOH w/tbg.
- 2) CO 5" liner from 13947-14167'. Set 5" CIBP @ 13590'. Set 5" CIBP at 13440'.
- 3) Cmt. sqz. perfs 13440-590' w/100 sx. CL "G" cmt. w/ additives.
CO 5" liner from 12624-13081'. DO 5" liner to 13590'.
- 4) RIH w/5" pkr. and set @ 13440'. Press test sqz. 13440-590' to 2000#. OK. POOH w/5" pkr.
DO CIBP and cmt. to 14165'.
- 5) Perf Wasatch formation w/3JSPF as follows:

13827-13234	21'	63 holes	0 psi
13273-12945	20	60	0
12942-12331	20	60	0
12346-11933	20	60	0
11914-11633	17	51	0
11623-11324	16	43	0
Total	114'	342	
- 6) RIH w/5" pkr. and set @ 13600'. Acidize Wasatch perfs 13603-14163' w/7000 gals. 15% HCL w/additives. ATP 7600#, AIR 11BPM, ISIP 2200#. POOH w/ pkr.
- 7) Set RBP @ 13440'. RIH w/7" pkr. and set @ 11299'. Acidize Upper Wasatch perfs 13324-13435' w/2200C gallons 15% HCL w/additives. ATP 7000#, AIR 14 BPM, ISIP 600#. POOH w/7" pkr.
- 8) CO 5" liner to 13440'. RIH w/7" pkr. and set @ 11303'. ND BOP's NU WH. Place well on gas lift production.

18. I hereby certify that the foregoing is true and correct

SIGNED

Eileen Danni Day

TITLE Regulatory Analyst

DATE March 9, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CUMULATIVE OF APPROVAL IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 949' FNL & 1873' FEL		8. FARM OR LEASE NAME Burton
14. PERMIT NO. 43-013-30238		9. WELL NO. 1-16B5
15. ELEVATIONS (Show whether on, at, or sub) 7009' OIL GAS & MINING		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 16, T2S-R5W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Proposed Procedure:

1. MIRU. NU BOPE.
2. POOH w/prod. eqpt & tbq.
3. CO 7" csg to top of liner @ 11, 923'.
4. RIH w/RBP & pkr on 2-7/8" tbq. Isolate csg leak & establish an injection rate.
5. Spot 2 sxs of sand on RBP. Perforate below leak. RIH w/cmt retainer & set above leak.
6. RIH w/stinger on 2-7/8" tbq & cmt sqz leak. DO retainer & pressure test.
7. Retrieve BP & POOH.
8. RIH w/production eqpt. & return well to production.

18. I hereby certify that the foregoing is true and correct

SIGNED

Eileen Danni Dey
Eileen Danni Dey

TITLE

Regulatory Analyst

DATE

May 8, 1989

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-26-89

BY: *[Signature]*

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burton

9. WELL NO.

1-16B5

10. FIELD AND POOL, OR WILDCAT

Altamont

11. SEC., T., R., M., OR B.L. AND
SUBSET OR AREA

Section 16, T2S, R5W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

ANR Production Company

3. ADDRESS OF OPERATOR

P.O. Box 749, Denver, CO 80201-0749

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements.
See also space 17 below.)
At surface

949' FNL & 1873' FEL (NWNE) Section 16

14. PERMIT NO.

43-013-30238

15. ELEVATIONS (Show whether SF, ST, or GL)

7009' GL

DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☒CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached intended procedure for the plugging and abandonment
of the above referenced well.

18. I hereby certify that the foregoing is true and correct

SIGNED

Brenda W. Swank

TITLE Regulatory Analyst

DATE 7/31/89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8-8-89

BY: John R. Bay

*See Instructions on Reverse Side

See attachment.

PLUG AND ABANDONMENT PROCEDURE

BURTON #1-16B5

Section 16, T2S, R5W
Altamont Field
Duchesne County, Utah

WELL DATA

Location: 949' FNL & 1873' FEL, Section 16, T2S, R5W
Elevation: KB 7034' GL 7009'
Total Depth: 14,261' PSTD 14,165'
Casing: 13-3/8" 68# K-55 ST&C @ 257'
9-5/8" 40# K-55 ST&C @ 6674'
7" 26# N-80 & CF-95 and 7" 29# N-80 @ 12,107'
5" 18# N-80 SFJ-P liner @ 11,923'-14,259'
Tubing: 2-7/8" 6.5# N-80 EUE w/8 G.L. mandrels set @ 11,302' w/a MSOT 7"
Loc-Set pkr

Tubular Data:

Description	ID	Drift	Capacity	Burst	Collapse
9-5/8" 40# K-55	8.835	8.679	.0758 B/F	3950 psi	2570 psi
7" 26# N-80	6.276	6.151	.0382 B/F	7240 psi	5410 psi
7" 26# CF-95	6.276	6.151	.0382 B/F	8600 psi	5870 psi
7" 29# N-80	6.184	6.059	.0371 B/F	8160 psi	7020 psi
5" 18# N-80	4.276	4.151	.0177 B/F	10,140 psi	10,490 psi
2-7/8" 6.5# N-80	2.441	2.347	.0058 B/F	10,570 psi	11,160 psi

WELL HISTORY

March 1974 Perf 12,127'-14,163' 93 tot holes, acidize w/29,400 gal 15% HCl

July 1975 Initiate gas lift

October 1977 Acidize 12,127'-14,163' w/2000 gal 15% HCl

September 1978 Reperf from 11,940'-14,161' 498 holes. Acidize 11,940'-14,161' w/50,000 gal 7-1/2% HCl.

February 1982 Reperf from 11,325'-11,893'. Acidize 11,325'-11,893' w/10,000 gal 7-1/2% HCl.

May 1984 Acidize 11,325'-14,163' w/50,000 gal 15% HCl

February 1989 Perf 11,324'-13,827' 342 tot holes.
Acidize 13,603'-14,163' (174 holes) w/7000 gal 15% HCl.
Acidize 11,324'-13,435' (826 holes) w/22,000 gal 15% HCl.
Squeeze 13,440'-13,590' w/100 sxs cmt.

March 1989 Sqz hole in csg from 6280'-6312' w/500 sxs cmt

Present Status: Shut in uneconomical. Last prod date 6/20/89. 4 BO, 117 BW, 5 MCF on gas lift.

Depth Reference: Schlumberger FDC-CNL dated 8/27/73 and 9/27/73

PROCEDURE

- MIRU service rig. Kill well. NU BOPE and POOH w/2-7/8" tbg and gas lift equipment.
- PU 7" 26# cmt retainer and RIH w/2-7/8" tbg. Set retainer @ +/- 11,300' Circ hole clean. Pump 50 sxs cmt below retainer and spot 25 sxs cmt on top.

P&A Procedure
Burton #1-16B5
Page Two

3. Spot 70 sxs cement plug (330') 6445' to 6775'.
4. Spot 50 sxs cement plug from 200' to surface.
5. Cut off 7", 9-5/8" and 13-3/8" csg 5' below ground.
6. Run 1" pipe and cement 7" x 9-5/8" and 9-5/8" x 13-3/8" annulus from 200' to surface (approximately 100 sxs total).
7. Set dry hole marker w/necessary inscription.

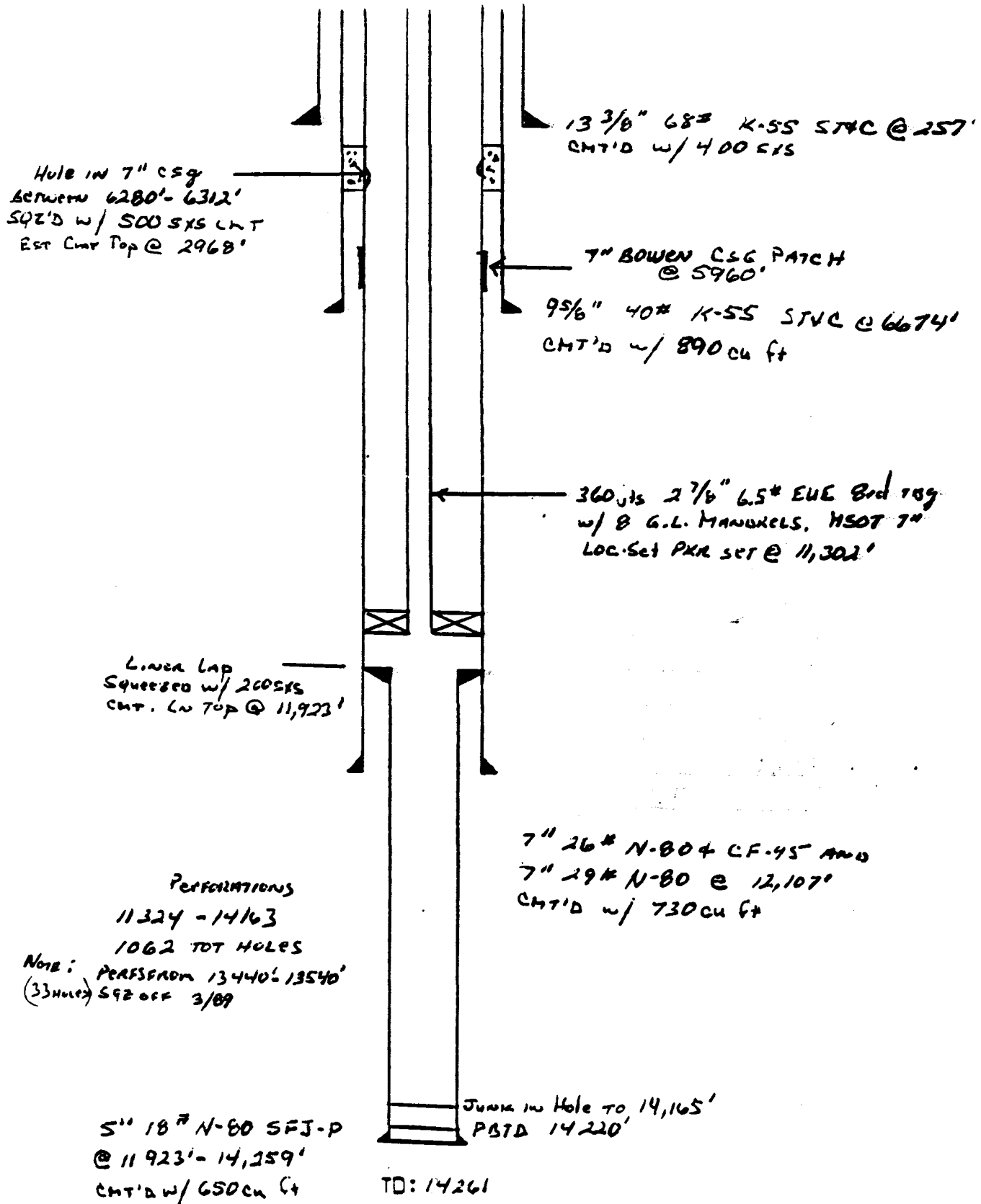
PRESENT WELLBORE SCHEMATIC

BURTON #1-1635

Duchesne County, Utah

S.C. Prutch

4/28/89



UTAH DIVISION OF OIL, GAS AND MINING
CONDITIONS OF APPROVAL FOR WELL PLUGGING AND ABANDONMENT

ANR Production Company
Burton #1-16B5 Well
Section 16, T. 2S, R. 5W
Duchesne County, Utah
August 8, 1989

Reference document: Sundry notice dated July 31, 1989, received by DOGM on August 2, 1989.

1. The operator shall notify the division at least 24 hours prior to commencing plugging operations to allow witnessing by a division representative.
2. Step 2 shall be modified to show the 7" cement retainer to be placed at approximately 11,350'. The remainder of the plugging program shall continue as submitted.

OI58/100

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☒ Well File Burton 1-16 B5☐ Suspense☐ Other(Location) Sec 16 Twp 25 Rng 5 W

(Return Date) _____

(API No.) 43-013-3023B

(To - Initials) _____

1. Date of Phone Call: 8-8-89 Time: 11:20 am2. DOGM Employee (name) John Baza (Initiated Call ☒
Talked to:Name Brenda Swank (Initiated Call ☐ - Phone No. (403) 572-1121
of (Company/Organization) Coastal / ANR Prod. Co.3. Topic of Conversation: Plugging procedures for two wells.4. Highlights of Conversation: Brenda established conf. call
w/ myself & Les (didn't understand last
name) who is an engineer for ANR. We agreed to
following changes:① Burton # 1-15 B5 - Include a step between steps
#2 & #3 to RIH w/ 7", 26# CICK & set @
± 11,150'. Pump 50 sx cent. below & 25 sx
cent. above CICK & continue w/ remainder of
plugging program.② Burton # 1-16 B5 - In step #2, CICK is
to be set @ ± 11,300'.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: ANR PRODUCTION
WELLNAME: BURTON # 1-1635 API# 43 013 30238
SECTION: 16 TWP: 02 S. RANGE: 05 W.
INSPECTOR: MICHAEL LAINE TIME: 9 AM DATE: 10/31/89
REPRESENTATIVE: BOB LEWIS PUSHER: BOB HOUSTON
OPERATIONS: P3A - CEMENTING
SPUD DATE: _____ DEPTH: _____

DRILLING AND COMPLETIONS:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> SANITATION
<input type="checkbox"/> BOPE	<input type="checkbox"/> BLOOIE LINE	<input type="checkbox"/> H2S
<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> RESERVE PIT	<input type="checkbox"/> FLARE PIT
<input type="checkbox"/> BURN PIT	<input type="checkbox"/> HOUSEKEEPING	

PLUGGING AND ABANDONMENTS:

PLUG TYPE	INTERVAL
<u>CEMENT AND RETAINER</u>	<u>11 173' - 11 564'</u>
<u>CEMENT PLUG</u>	<u>6763' - 6497'</u>
<u>CEMENT PLUG</u>	<u>200' - SURFACE</u>

PLUGS TESTED: YES HOW SEE ATTACHMENT WOC _____

MARKER: _____ SURFACE Y PLATE (BELOW SURFACE)

RECLAMATION:

☐ CONTOUR ☐ RIP ☐ REHAB

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPICABLE

REMARKS:

PROCEDURE CHANGES FROM SUNDEY NOTICE OUTLINE ON ATTACHMENT

APPROVED BY _____ HOW _____ DATE _____

#5 - OUT

#6 - RV + pump 130 SY @ 60# PSI
 down $9\frac{5}{8}" - 7"$ CS₄ ANN. -
 TOL @ 2968 \pm press. SQUEEZE
 130 SY 15.8# PPL = 900' \pm Fill
 TOL @ 2000 \pm SI PRESS @ 60"
 Gmt - Glass 6 w/ 270 CCH.

#7 - 18" x 18" x $\frac{1}{2}"$ plate w/d
 solid to 7" CS₄ - above slips

Well name

Legal

Duck. Co. UT.

R. F. Hume's

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back an oil or gas well.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented PA 2
2. NAME OF OPERATOR ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 30201-0749		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 949' FNL & 1373' FEL (NWNE) Section 16		8. FARM OR LEASE NAME Burton
14. PERMIT NO. 43-013-30238		9. WELL NO. 1-16B5
15. ELEVATIONS (Show whether SF, RT, GR, etc.) 7009' GL		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Section 16, T2S-R5W
		12. COUNTY OR PARISH 13. STATE Duchesne Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached chronological report plugging and abandoning the referenced well.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-MICROFILM	
3-FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED Brenda W. Swank TITLE Regulatory Analyst

DATE November 13, 1989

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 2

BURTON #1-16B5 (P&A)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 52.6050% ANR AFE: 62810
ATD: 14,261' (WASATCH)
5" LINER @ 11,923'-14,259'
PERFS: 11,324'-14,163' (WASATCH)
CWC(M\$): \$44.6 (-\$0.6 W/SALV)

10/30/89 MIRU. POOH w/GL equip. PU & RIH w/7" cmt ret.
DC: \$2,750 TC: \$2,750

10/31/89 Prep to spot sfc plug. Set mechanical cmt ret @ 11,303'. Pmp 15 bbls
15.8# slurry below ret. Spot 5 bbls cmt on top of ret. Circ hole clean.
Spot 14 bbls cmt plug from 6763'-6433'.
DC: \$9,343 TC: \$12,093

11/1/89 RIH open ended dwn 7" csg to 210'. Spot 20 bbls (100 sxs) cmt. Press tst
7" x 9-5/8" annulus to 1000 psi for 15 min. Held. Pmp 20 add'l bbls (100
sxs) cmt plug dwn 7" csg from 410' to sfc. Pmp 7 bbls (30 sxs) cmt dwn
9-5/8" x 13-3/8" annulus. Set dry hole marker. Final report.
DC: \$5,208 TC: \$17,301


 DOWELL SCHUMBERGER INCORPORATED
 P.O. BOX 903
 DALLAS TX 75391

ORIGINAL

REMIT TO:

917297

AMR PRODUCTION CO

INVOICE

12/06/89

INVOICE DATE

15-03-6412L

INVOICE NUMBER

 P O BOX 120
 ALTAMONT

UT 84001

PAGE 1

CEMENTING

TYPE SERVICE

PLUG TO ABANDON

WELL NAME / JOB SITE

STATE

COUNTY / CITY

SERVICE FROM LOCATION

SHIPPED VIA

CUSTOMER P.O. NO./REF.

SEC27-T25-250

LOCATION / PLANT ADDRESS

DATE OF SERVICE ORDER

CUSTOMER OR AUTHORIZED REPRESENTATIVE

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
048020000	CEMENT PUMP-ADDL HR ON LOCAT	HR	5	245.0000	1,225.00	28.0	176.4000	882.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	70	2.4000	168.00	28.0	1.7200	120.96
067005100	S1,CALCIUM CHLORIDE	LBS	200	.3200	64.00	28.0	.2304	46.08
040007000	D907, CEMENT CLASS E	CFT	65-	8.1000	526.50-	28.0	5.8320	379.00
049102000	TRANSPORTATION CMNT TON MILE	MI	214	.8000	171.20	28.0	.5760	123.26
048019000	CEMENT BULK UNIT HRS ON LOCA	HR	3	45.0000	135.00	28.0	32.4000	97.20
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	110.0000	110.00	28.0	79.2000	79.20
					1,346.70	28.0	SUB TOTAL --	969.62
M C	STATE TAX ON						123.26	7.39
							AMOUNT DUE --	977.01

Property Name 1-27B5Type of Service P4A

Comments _____

AFE ☒ LOE ☐Appr. By [Signature] Date 11-16

Appr. By _____ Date _____

Appr. By _____ Date _____

DOWELL SCHLUMBERGER INCORPORATED

P O BOX 91029
DALLAS TX 75391

ORIGINAL

INVOICE

REMIT TO:

INVOICE 12/01/89

917297

ANR PRODUCTION CO

P O BOX 120
ALTAMONT

UT 84001

PAGE 1

INVOICE NUMBER

CEMENTING

TYPE SERVICE

PLUG TO ABANDON

WELL NAME / JOB SITE DUCHECNE	STATE UT	COUNTY / CITY KANE	SERVICE FROM LOCATION VENUE UT	SHIPPED VIA	CUSTOMER P.O. NO./REF.
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	

ITEM CODE	DESCRIPTION	UOM	QTY	LIST PRICE	LIST AMOUNT	% OFF	NET PRICE	NET AMOUNT
048264000	LINER/SQZ CENT 11000-12999FT	8HR	1	4,246.0000	4,246.00	25.0	3,184.5000	3,184.50
048264001	LINER/SQZ CENT BELOW 11000FT	FT	300	1.0300	309.00	25.0	.7725	231.75
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	75	2.4000	180.00	25.0	1.8000	135.00
049102000	TRANSPORTATION CMNT TON MILE	MI	1321	.8000	1,056.80	25.0	.6000	792.60
049100000	SERVICE CHG CEMENT MATL LAND	CFT	145	1.0000	156.60	25.0	.8100	117.45
040007000	D907, CEMENT CLASS G	CFT	145	8.1000	1,174.50	25.0	6.0750	888.88
045023050	D13, RETARDER	LBS	23	1.1000	25.30	25.0	.8250	18.98
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	110.0000	110.00	25.0	82.5000	82.50
040019000	CEMENT BULK UNIT HRS ON LOCA	HR	8	45.0000	360.00	100.0	.0000	N/C
					7,618.20	28.5	SUB TOTAL --	5,443.66
M C	STATE TAX ON						792.60	47.55
M C	STATE TAX ON						899.86	53.99
							AMOUNT DUE --	5,545.20

Property Name 1-16 BSType of Service PLUG TO ABANDONComments PLUG TO ABANDONAFE ☐LOE ☐Appr. By R. J. L.Date 11-6Appr. By Date Appr. By Date

PRODUCING STATUS: Plug & Abandon
WELLHEAD WORKING PRESSURE: _____

MAR 12 1990

DEPARTMENT OF
GAS & MINING

KB ELEVATION: _____

FORM. TOPS

4" ID plate welded to 7"

100 SX - 400'
100 y - 400'
to surf.

70 SX - 330'
cmf plug
@ 6775'

cmf set @
11300' ± w/
75 SX CMF 25/50

DOWNHOLE SCHEMATIC	
LEASE:	<u>BURTON</u>
WELL #:	<u>1-16BS</u>
FIELD:	<u>WILSON</u>
LOCATION:	<u>516, T2S, R5W</u>
COUNTY/STATE:	<u>Duchesne CO</u> <u>UT.</u>
T.D.:	<u>14261</u>
P.B.T.D.:	<u>14220</u>
PERFS:	
PROD. FORM(S):	<u>wasatch</u>
DATE:	<u>3-9-90</u> BY: <u>R/L</u>

ITEM, QUANTITY, DEPTHS, GRADE, WEIGHT, CPLG, Etc.	O.D.	I.D.
HOLE SIZE: _____"		
SURFACE CASING: O.D. <u>9 5/8"</u> , WEIGHT(S) <u>40 #</u> GRADE(S) <u>K55</u> , CPLG _____ SET AT <u>6674'</u> W/ <u>890 SX</u>		
HOLE SIZE: _____"		
<u>5" 18# N80 11923'</u>		
<u>7" 26*/29# N80 @ 12107'</u> <u>w/ 730 CMF</u>		
P.B.T.D. <u>14220'</u> T.D. <u>14261'</u>		